

ANTIQUE ELECTRONIC SUPPLY®

6221 S. Maple Ave
Tempe, AZ 85283 USA

phone: 480-820-5411 (8-5 MST, M-F)

fax: 800-706-6789 / 480-820-4643

email: sales@tubesandmore.com

info@tubesandmore.com

No handling fee
on any order!
Free ground shipping in
the continental U.S. on all
orders over \$99.00!!

Policies and Guarantees

We believe we provide competitive and fair pricing while maintaining the quality and integrity of our products. We feel that we can save you money by providing you with a reliable and timely source for your electronic component needs.

Due to the nature of the types of products we supply, all prices and availability are subject to change. While we try to stock everything we advertise, we cannot guarantee 100% availability. If an ordered item is not in stock and we expect to have it again (excluding NOS tubes and surplus goods), it will be back ordered and so noted on your invoice unless otherwise requested. The back-ordered part will be invoiced and shipped when it becomes available. Shipping charges will be adjusted so that you are not penalized by the additional cost of making two shipments. If an item is ordered that cannot be back ordered or we cannot ensure availability, it will be cancelled from the order and so noted on the invoice. If an item has -NLA- (no longer available) in the description on the invoice, it means we are no longer able to provide it.

See page 152 for **ordering and shipping info.**

Warranty Disclaimer - Our guarantee represents the consumer's exclusive remedy for a defective product. Antique Electronic Supply expressly disclaims all other warranties, express or implied, for the products listed in this catalog.

Limitation on Liability - Antique Electronic Supply shall not be liable for any indirect or consequential damages, including, but not limited to, personal injury or loss of income, arising out of the purchase or use of a product listed in this catalog, and in no event shall our liability exceed the price of the product.

Our Guarantee - All items in our catalog are guaranteed to meet your satisfaction or they may be returned within 10 days for exchange or credit, providing the item is in resalable condition. Any items that have

leads cut, evidence of soldering or other sign of installation and/or use cannot be returned unless the product is defective.

Please note cut-to-order items such as grill cloth, tolex, piping and wire, cannot be returned; software may only be returned if it is in new and unopened condition; defective software is returnable for exchange only. Please check and/or test your purchases upon receipt, even if the items are a back up set for future use, and notify us of any problems within the warranty period.

All new tubes (except horizontal amplifier tubes, also known as "linear or sweep tubes") are guaranteed to meet manufacturers specifications for 90 days, except for breakage or when damaged by operation outside manufacturers' specified ratings. All used tubes are guaranteed to meet minimum industry standards for used tubes and are guaranteed for 30 days. The same exceptions and conditions, as noted above for new tubes, apply to used tubes.

Linear/Sweep tubes are guaranteed for 10 days, except for breakage or damage caused by operation outside the tube manufacturers' specified ratings. Please check all linear/sweep tubes upon receipt. If there is a problem, please notify us immediately. After contacting us, we will take the tube back for evaluation by our technician. We will notify you with a decision about replacement or credit after the evaluation. If the linear/sweep tubes are out of the 10-day warranty period we will not take them back under any circumstances.

Should it be necessary to return merchandise for exchange or credit, e-mail custservice@tubesandmore.com or call with a reason for the return. Upon approval, you will be given a Return Authorization number (RA#). **Returns without prior authorization will be refused.**

All returns should be sent promptly; we must receive all returns within 30 days or the RA number will become invalid. The RA number must be placed on the outside

of the package being returned in order to assure that your return is handled in a timely manner.

We reserve the right to charge a restocking fee when no evidence of product failure exists if merchandise is returned after the 10-day period.

Dealers and Resellers - We suggest you test all tubes or any type of electrical product upon receipt, as our warranty does not extend beyond you and ends when you resell the item.

Warning! Vacuum tubes, transformers, capacitors, amplification circuits and other products listed in this catalog operate at high voltages that can cause permanent injury, disability or death. Vacuum tubes operate at high temperatures that can cause severe burns. Never attempt to repair, construct, alter, test, work on or touch electronic equipment unless you are trained or otherwise qualified to do so. Likewise, never remove a protective cover from electronic equipment unless you are trained or otherwise qualified to do so.

We Have Gift Certificates!

Are you looking for the perfect gift for your hobbyist friend, but aren't quite sure about the certain item they need? How about an ANTIQUE ELECTRONIC SUPPLY Gift Certificate? Available in any amount over \$20.00.

ANTIQUÉ ELECTRONIC SUPPLY
Gift Certificate

Good for one year after the issue date.

Redeemable by mail only!

1-200

\$ _____



For a complete product listing check out our web site
tubesandmore.com

Power

E34L		\$13.00
E34L-BLUE	Blue glass	16.00
EL34		13.00
EL84/6BQ5		9.40
EL509-S	8 Pin, no plate cap	38.00
KT66		33.75
KT77		18.00
KT88		38.50
KT88-BLUE	Blue glass	41.50
2A3-40	40 Watts	120.00
6L6GC		16.00
6V6-S	Spiral filament	13.75
300B		110.00
7027A		20.50
7591-S	Spiral filament	16.00

Pre-amp

ECC802-S	Spiral filament, long plate 12AU7	13.50
ECC803-S	Spiral filament, long plate 12AX7	13.00
ECC99		15.00
EF806-S	High grade spiral filament, 6267/EF86	25.00
12AT7/ECC81		9.75
12AU7/ECC82		9.20
12AX7-S/ECC83	Spiral filament	9.75
12DW7/ECC832		10.00
6922/E88CC/6DJ8		12.00

Rectifier

5AR4/GZ34		15.00
5U4GB		16.00
6CA4/EZ81		11.50

Gold Pin

ECC802-S	Spiral filament, long plate 12AU7	\$24.75
ECC803-S	Spiral filament, long plate 12AX7	24.50
ECC99		27.00
EF806-S	High grade, spiral filament, 6267/EF86	43.00
12AT7		20.00
12AU7		20.00
12AX7-S	Spiral filament	20.00
12DW7		22.50
6386		120.00
6922		23.50

Tube Sets for Fender® Amps

Tube sets include power and pre-amp tubes only. Rectifier tubes vary by year of model; they also tend to last longer, and do not need to be replaced as frequently. Power tube matching is included in tube set pricing.

For Fender® Twin Reverb® or Showman®

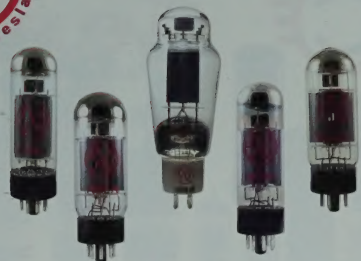
All JJ brand tubes	Quantity	
12AX7-S	4	
12AT7	2	
6L6GC	1 Matched Quad	
		T-FTWIN \$109.75

For Fender® Super Reverb®, Pro Reverb® or Bandmaster Reverb®

All JJ brand tubes	Quantity	
12AX7-S	4	
12AT7	2	
6L6GC	1 Matched Pair	
		T-FSUPER \$81.20

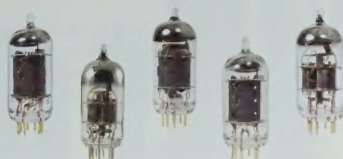
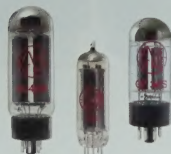
For Fender® Bassman® and Bandmaster®

All JJ brand tubes	Quantity	
12AX7-S	3	
12AT7	1	
6L6GC	1 Matched Pair	
		T-FBASSMAN \$63.65



Tube Matching

Current manufacture output tubes can be supplied in matched pairs and quads at \$1.25 per tube. We match transconductance and plate current.



Tube Sets for Marshall™ Amps

For Marshall™ JMP™ 100W and JCM 800™ 100W

All JJ brand tubes	Quantity	
12AX7-S	3	
EL34	1 Matched Quad	
		T-M100 \$72.65

For Marshall™ JMP™ 50W and JCM 800™ 50W

All JJ brand tubes	Quantity	
12AX7-S	3	
EL34	1 Matched Pair	
		T-M50 \$49.50

JJ Poster

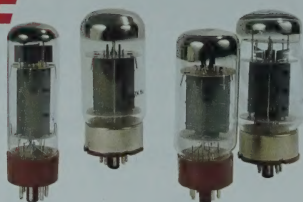
2 pack. Includes one KT88 poster and one E34L poster. Each poster is 24.75" high by 17" wide.

B-P-JJ100 \$6.00



call 480.820.5411 or fax 800.706.6789/480.820.4643



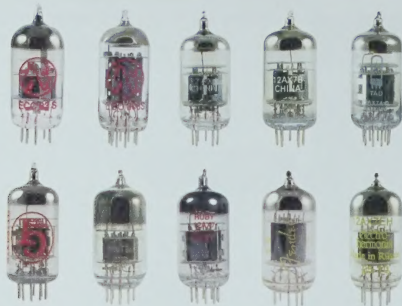


Tube Amp
Doctor™



Tube Matching

Current manufacture output tubes can be supplied in matched pairs and quads at \$1.25 per tube. We match transconductance and plate current.



Winged C® / SED

Power tubes. Made in the JSC Svetlana, St. Petersburg, Russia factory. See www.wingedc.com for more information.

EL34	\$24.1
KT88	48.1
6L6GC	24.1
6550C	32.1

Cryogenically treated and burned in for 24 hours.

EL34	\$41.1
KT88	76.1
6L6GC	41.1
6550C	53.1

Valve Art

Premium Chinese brand.

Power

EL84	\$8.0
EL34B	10.7
KT66	24.7
KT88	32.5
300B	100.0
350B	16.0
6550B	26.0

Rectifier

274B	\$13.0
------	--------

Tube Amp Doctor (TAD)

Power

EL34B	\$18.2
EL84	14.0
6L6GC	Black Plate, tall bottle 18.2
6L6WGC	Black Plate, short bottle 19.0
6V6GTB	Black Plate 18.2

Preamp

12AX7	Premium Selected	\$13.8
-------	------------------	--------

Rectifier

5AR4-STR	\$20.0
----------	--------

12AX7 Tube Set

Try out some of the most popular 12AX7s available at a great price and find the ones you like best. Comes with one of each of the following. We reserve the right to substitute any of these tubes with one of equal value based on availability.

12AX7-S-JJ
ECC803-S-JJ
12AX7 China
12AX7B China
12AX7-PS-TAD
12AX7-C-GT
12AX7A-C5 Ruby
12AX7-EH
12AX7WA Sovtek
12AX7 Fender®

T-12AX7-SET \$99.95

Ruby®

Power

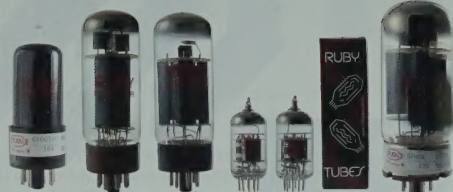
EL34B-STR	\$13.75
6L6GC-M-STR	13.75
6V6GT-BC	12.00
6550A-STR	28.75

Preamp

12AX7A-C5	\$11.25
12AU7-C	9.55
12AT7-C	9.55

Rectifier

5AR4-C/GZ34	\$11.90
5U4G-C	12.20



Tubes

Groove Tubes® Gold Series

Power

E34L-S	Matched pair	\$49.00
EL34M	Matched pair. Reproduction of classic XF2 design	37.00
EL84-S	Matched pair	35.00
6L6-CHP	Matched pair. Black plate	42.00
6L6GE	Matched pair. Reproduction of classic GE design	49.00
6L6-S	Matched pair	63.00
6V6-C	Matched pair	28.00

Preamp

12AT7	\$14.00
12AX7-C	16.00
12AY7	23.00
5751M	20.00



Yellow Jacket Converters

Yellow Jacket converters are specialized adapters which permit the use of EL84/6BQ5 power tubes in place of 6V6, 6L6, EL34 and 7591 types. Yellow Jacket converters not only rearrange the pin locations of the tubes but also provide the necessary current limiting on the screens and cathode. Yellow Jackets block the amplifier's grid bias voltage, which configures the EL84/6BQ5 into a class A self-adjusting bias circuit. Manufacturer recommends the JJ EL84/6BQ5. Yellow Jackets are not always yellow. Stock varies between yellow, black and red. The color has no bearing on the sound! Tubes not included.

Converts 6L6 or EL34	P-SAYJ	\$39.95
Converts 6V6	P-SAYJ20	39.95
Converts 7591A	P-SAYJ7591	39.95
Converts cathode biased 6L6 or EL34	P-SAYJ-C	39.95
Converts 6L6 or EL34, shorter version. 1 3/4" without pins	P-SAYJ-SHORT	42.95
Converts 6L6 or EL34 to EL84 triode configuration	P-SAYJ-TRIODE*	39.95

*Triode configuration has more linearity and less power



Solid State Rectifier

Direct plug-in replacement for 5AR4, 5U4 and 5Y3 rectifier tubes in amplifiers with center tapped secondary power transformer. Use when less "sag" is desired in the power supply, use the tube rectifier when "sag" is desired.

T-SSR01 \$9.95

NOTE! Because there is no warm up of a rectifier tube when using this solid state device, it is critical that a standby switch is used that will allow the power tube filaments to warm up and generate an electron "cloud" around the cathode before high voltage is applied. This will prevent "cathode stripping" in the power tubes. It is a good idea to use a standby switch when using vacuum tube rectification, but it is critical when using solid state rectification.

Dynakit 6GH8A to 7199 Converter

This adapter allows you to convert 6GH8A tubes for use instead of the hard to find 7199. 6GH8A not included.

T-7199-ADT \$20.00



T-SSR01

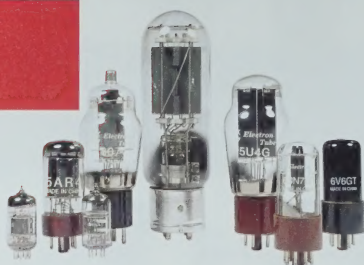
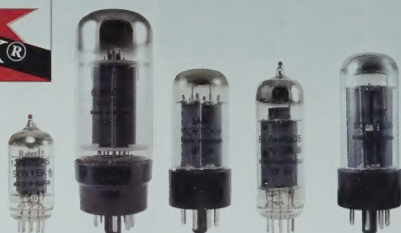
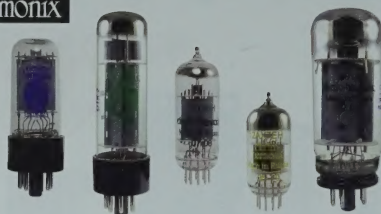


T-7199-ADT

.64"

call 480.820.5411 or fax 800.706.6789/480.820.4643





Peavey®

Power

EL84	Matched Pair	\$19.00
6L6GC	Matched Pair "Super 6's"	26.00
6V6GT	Matched Pair "Super V's"	29.00
6550	Matched Pair	68.00

Preamp

12AX7	Each "Super 7's"	\$10.50
-------	------------------	---------

Electro-Harmonix

Power

EL34	\$13.00
6V6GT	13.00
6973	16.75
7591A	18.75

Preamp

12AX7	\$13.00
12AY7	14.00

Sovtek

Power

EL84	\$8.50
5AR4	17.00
6L6WXT+	16.25
5881	14.00
5881WXT	14.50

Preamp

12AX7LPS	\$12.00
12AX7WA	9.00

Rectifier

5Y3GT	\$13.00
-------	---------

Russian

6SN7GT	\$5.95
--------	--------

Chinese (Sino)

Made in China.

Power

EL156	\$55.00
6L6GC-CHN-C	Coke Bottle 7.50
6L6GC-CN-5	Small ST Shape 8.50
6L6GC-CHIN	Straight Bottle 7.50
6V6GT	9.00
807	15.00
811A	20.00
812A	23.00
6146B	20.00

Preamp

6SN7GT	Brown Base \$10.00
12AT7	8.50
12AU7	8.00
12AX7	7.75
12AX7B	8.75

Rectifier

5AR4/GZ34	\$12.00
5U4G	8.00

Tube Matching

Current manufacture output tubes can be supplied in matched pairs and quads at \$1.25 per tube. We match transconductance and plate current.

We have over 3,000 tube types, both new old stock (NOS) and currently manufactured tubes which are available for immediate shipment. Many types have equivalent numbers which we can cross reference. We also carry many tube types used; prices are generally about 50% - 60% of the new tube price. All used tubes have been tested by us and are guaranteed to meet or exceed the minimum industry standards for used tubes. All used tubes are boxed in white boxes.

If you do not find the tube type you need listed, please visit our website at

www.tubesandmore.com

for our complete NOS tube listing.

PRICES SHOWN ARE FOR CURRENT STOCK AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Because most tube types are no longer manufactured, quantities available may be limited. Price and availability of tubes with "See Web" instead of price will be quoted at the time of inquiry. Pricing is designated this way when there is a low supply or when there are large fluctuations in the market price. Written quotes are good for 7 days. Special quantity pricing is available on some types upon request.

Tube Selection

Specific brand, construction or testing can be supplied for an additional \$1.00 per tube.

Unless noted otherwise, all NOS tubes are of U.S. or Western European origin and are mixed brands.



ST Shape
Shoulder

S Shape
Balloon, Globe

Metal

GT Shape
Tubular

Loctal

Miniature

Many tube types are available in different envelope styles and are equivalent electrically. For example, 6A8 is metal, 6A8G is ST shaped large glass and 6A8GT is tubular shaped small glass. See above illustration for tube styles.

The information on tubes in this catalog is for sales information ONLY. If you are interested in selling tubes to us, please call, fax or e-mail us at: tubebuyer@tubesandmore.com to request a current bid list.

NOS Tube Matching

Some NOS power tubes are available matched in pairs for a \$5.00 fee.

1A (ST)	\$57.40	1C7G	3.50
A2/150C2	5.15	1D7G	2.00
A2WA	See 6626	1D8GT	3.30
A3/VR75	6.50	1E7G	5.30
A4G	13.95	1F4	5.60
A5	3.20	1F5G	3.60
B2	6.15	1F7G	4.40
See 6627	See 6627	1G3GTA	See 1B3GT
B3/VR90	2.50	1G4GT	11.00
C2	5.90	1G6GT-G	3.80
C3-A/VR105	5.85	1H4G	7.70
D3-A/VR150	5.15	1H5GT-G	4.10
G3/85A2	3.00	1H6G	2.60
Z4-A	3.10	1J3/1K3-A	2.20
A3	1.45	1J6G	6.35
A5GT	2.90	1K3A	See 1J3
A6	3.00	1L4/DF92	2.90
A7GT	3.20	1L6	See Web
AD4	2.65	1LA4	4.30
AE4	4.70	1LA6	5.90
AF5/1AH5	2.65	1LC5	3.90
AG4	5.00	1LC6	4.10
AG5	5.40	1LD5	3.80
AH4	2.60	1LE3/1LF3	6.20
AH5	See 1AF5	1LF3	See 1LE3
AJ5	3.50	1LG5	4.10
AK5	4.20	1LH4	2.90
B3GT/1G3GTA	3.15	1LN5	4.60
B5	5.20	1N5GT/1P5GT	4.30
BC2-A	1.70	1P5GT	See 1N5GT
BX2/1X2-B-C	1.95	1P41/924	2.00
C5GT	3.10	1Q5GT	2.80
C6	3.30	1R4/1294	1.60

1R5/DK91	5.30	2C39B	See 7289	3B24	7.60
1S4	2.90	2C51	See 396A	3B28	24.40
1S5/DAF91	3.20	2C51W	See 5670	3BE6	1.60
1SB6GT	4.00	2C52	16.60	3BN6	2.65
1T4/DF91	2.80	2CW4/2DS4	5.30	3BZ6	2.50
1T5GT	2.60	2D21/PL21	2.35	3C4/3E5/DL96	5.00
1U4	4.60	2DS4	See 2CW4	3C23	28.70
1U5	6.15	2DV4	7.00	3C24/24G	13.30
1V/6Z3	5.25	2E5 (tubular)	12.10	3C45/6130	45.55
1V2	2.60	2E22	40.30	3D21A	28.40
1V6	5.70	2E24	7.30	3D21WB	See 7403
1W5	3.45	2E25	5.50	3DF3-A	4.35
1X2-B-C	See 1BX2	2E26	6.00	3DT6A	0.50
1Z2	5.20	2E31	5.40	3DZ4	See 3AF4A
2-01C	22.80	2EN5	1.60	3E5	See 3C4
2A3	98.95	2X2A/2Y2/879	1.45	3E29	See 829B
2A3 (RCA)	See Web	2Y2	See 2X2A	3ER5/YC95	1.45
2A4G	5.00	3-14 (ballast)	3.95	3FQ5/3GK5	2.20
2A5	12.45	3A3-A-C/3AW3	3.20	3GK5	See 3FQ5
2A6	7.70	3A4	4.70	3LF4	2.20
2A7	10.10	3A5/DCC90	4.30	3Q4	4.50
2B7	4.00	3AF4A/3DZ4	1.45	3Q5GT	3.20
2C21/1642	6.10	3AL5	1.45	3S4/DL92	2.80
2C22/7193	7.90	3AV6	1.65	3V4/DL94	5.95
2C26	4.55	3AW3	See 3A3-A	4-125A/4D21	134.40
2C36	10.60	3B4/DL98	2.10	4-250A/5D22	158.00
2C39A	See 7289	3B7/1291	3.20	4AV6	1.80

call 480.820.5411 or fax 800.706.6789/480.820.4643



4BE6	2.40	6A5G	33.70	6AR11	2.90	6BK7-A-B	3.55	6CJ5/EF41	5.80
4BN6	1.50	6A6	5.60	6AS5	1.45	6BL4	3.60	6CK3/6CL3	2.10
4BQ7-A/4BZ7	1.45	6A7	15.80	6AS6W	See 5725	6BL6	193.40	6CK4	See Web
4BZ7	See 4BQ7A	6A8	See Web	6AS7G/6520	13.30	6BL7GTA	12.25	6CK5/EL41	16.00
4D21	See 4-125A	6A8GT	See Web	6AS7GA	8.70	6BL8/6LN8	6.10	6CK6/EL83	11.00
4D32	44.30	6AB4/EC92	5.10	6AS11	4.50	6BM8/ECL82	See Web	6CL3	See Web
4E27	45.40	6AB5/6N5	16.30	6AT6/6BK6	3.00	6BN4A	2.80	6CL6	5.00
4EH7/LF183	1.45	6AB7/1853	4.70	6AT8-A	2.65	6BN6/6KS6	3.20	6CL8-A	3.00
4EJ7/LF184	2.20	6AC5G	21.20	6AU4GTA	4.35	6BN8	7.80	6CM3/6DN3	5.00
4ES8	1.45	6AC5GT	14.40	6AU5GT	5.50	6BN11	6.30	6CM4/EC86	6.00
4GK5/PC95	1.60	6AC7/1852	2.80	6AU6A/EF94	6.10	6BQ5_EL84 See EL84	6BQ5	6CM5/EL36	8.00
4HA5/4HM5	1.60	6AC7WA	See 6134	6AU6WA	See 6136	6BQ6GTB/6CU6	1.30	6CM6	6.00
4HA7/4HC7	1.45	6AD6G/6AF6GT	19.90	6AU7-A	4.40	6BQ7-A/6BZ7	1.55	6CM7	1.80
4HC7	See 4HA7	6AD7G	8.10	6AU8-A/6BH8	3.45	6BR3/6RK19	2.70	6CM8	2.60
4HM5	See 4HA5	6AD8	See 6DC8/EBF89	6AV5GA	5.00	6BR5/EM80	10.30	6CN6/EL38	25.20
4HM6/4JC6A	1.00	6AD10	6.10	6AV5GT	4.30	6BR8-A/6FV8	2.40	6CN7	3.80
4KT6	1.00	6AE5G/6AF5G	12.50	6AV6/EBC91	3.30	6BS8	3.40	6CQ6/EF92	3.20
4LJ8	4.00	6AE6G	5.20	6AV11	5.90	6BU6	See 6BF6	6CS6/EH90	3.10
4MP12	1.60	6AF3	1.60	6AW6	See 6AU6A/EF94	6BV8	5.90	6CS7	4.00
5AM8	1.45	6AF4A/6DZ4	3.80	6AW8A	3.60	6BV11	2.35	6CT7/EA42	5.60
5AN8	1.45	6AF5G	See 6AE5G	6AX3	1.45	6BW4	3.00	6CU5	1.40
5AR4/GZ34	See Web	6AF6G	See 6AD6G	6AX4GTB	2.00	6BX6/EF80	1.70	6CU6	See 6BQ6GT
5AS4A	See 5U4GB/5AS4A	6AF11	2.25	6AX5GT	4.85	6BX7GT	23.45	6CU7/ECH42	7.10
5AU4/5V3-A	5.80	6AG5/EF96	2.75	6AX8	5.00	6BY5G	6.90	6CW4/6DS4	17.90
5AW4	4.85	6AG7/6AK7	5.15	6AZ8	7.30	6BY5GA	4.10	6CW5/EL86	5.00
5BC3-A	4.65	6AG9	2.20	6B4G	See Web	6BY6	4.00	6CW7/ECC84	2.80
5BQ7-A/5BZ7	1.45	6AG11	3.30	6B5	22.40	6BY7/EF85	3.60	6CX8/6JA8	4.40
5BZ7	See 5BQ7A	6AH4GT	16.10	6B6G	9.80	6BY8	2.20	6CY5	3.80
5D22	See 4-250A	6AH6	2.60	6B7	6.40	6BZ6/6JH6	4.60	6CY7	3.70
5DJ4	6.20	6AH6WA	See 6485	6B8	2.90	6BZ7	See 6BQ7A	6CZ5	9.80
5R4GA	6.60	6AJ4	2.30	6B8G	3.70	6BZ8	See 6BC8	6D4	4.90
5R4GB	15.95	6AJ5	2.50	6B10	2.20	6CA/EC90	6.10	6D6	6.90
5R4GY-A-B	15.70	6AJ8/ECH81	7.60	6BA5	4.00	6C4WA	See 6100	6D10	7.70
5R4WGA-B-Y	7.95	6AK4	6.40	6BA6/EF93	5.60	6100/6C4WA (Philips ECG)		6DA5/EM81	8.90
5R4WGA-B-Y (Chatham)		6AK5/EF95	4.60	6BA6W	See 5749		4.50	6DA6/EF89	13.20
	10.95	6AK5W	See 5654	6BA7	6.35	6C5	3.85	6DB5	1.40
5T4	9.50	6AK6	4.10	6BA8-A	3.60	6C5G	12.90	6DB6	3.40
5TF4 (ballast)	3.95	6AK7	See 6AG7	6BA11	1.10	6C5GT	7.15	6DC6	6.10
5U4G/5AS4	30.00	6AK8/EABC80	8.60	6BC4	4.80	6C6	5.70	6DC8/EBF89	5.80
5U4GB/5AS4A	17.10	6AL3/EY88	2.35	6BC7	2.55	6C8G	3.60	6DE7	3.80
5U4WG	See 5931	6AL5/6EB5	3.65	6BC8/6BZ8	4.95	6C9	7.95	6DG6GT/6W6GT	3.40
5U8	1.60	6AL5W	See 5726	6BD4-A	6.20	6C10	See Web	6DG6GT/6W6GT(GE)	3.70
5V3A	See 5AU4	6AL7GT	4.10	6BD5GT	3.20	6C30T (delay relay)	3.95	6DJ8/ECC88	11.20
5V4G	See Web	6AL11	4.00	6BD6	2.10	6CA4/EZ81	24.30	6DJ8/ECC88(RCA)	See Web
5V4GA	13.75	6AM4	2.10	6BE6/EK90	5.10	6CA5/6EH5	3.20	6DK3/6DL3	5.80
5V6GT	4.10	6AM5/EL91	8.80	6BE6W	See 5750	6CA7/EL34 (Mullard)		6DK6	2.50
5W4	5.10	6AM6/EF91	4.70	6BF5	3.40		See Web	6DL3	See 6DK6
5W4GT	4.60	6AN4	3.65	6BF6/6BU6	2.20	6CA7/EL34 (US)	See Web	6DL5/EL95	6.50
5X4G	8.00	6AN5	1.80	6BF7	4.90	6CB5A	4.00	6DN3	See 6CM8
5X8	1.95	6AN5WA	2.20	6BF8	1.30	6CB6-A/6CF6	2.60	6DN6	See 6CD6
5Y3G	19.50	6AN6	2.10	6BF11	6.05	6CD3/6CG3	4.35	6DN7	6.30
5Y3GT	See Web	6AN7-A/ECH80	2.90	6BG6G-GA	8.90	6CD6G/6DN6	6.60	6DQ5	11.80
5Y3WGT	See 6106	6AN8-A	7.65	6BH6/E90F	4.95	6CD6GA/6EX6	6.30	6DQ6-A-B/6GW6	7.50
5Y3WG7B	See 6087	6AQ4/EC91	11.40	6BH8	See 6AU8-A	6CD7/EM34	See Web	6DR7	5.10
5Y4G	13.10	6AQ5-A/6HG5	6.15	6BH11	3.60	6CF6	See 6CB6A	6DS4	See 6CW4
5Y4GA	7.00	6AQ5W	See 6005	6BJ3	1.20	6CG3	See 6CD3	6DS8/ECH83	4.10
5Y4GT	7.20	6AQ6	2.70	6BJ6/E99F	3.80	6CG7/6FQ7	13.90	6DT4	5.20
5Z3	20.40	6AQ8/ECC85	17.95	6BJ7	2.75	6CG7/6FQ7 (RCA clear top)		6DT5	1.60
5Z4	8.10	6AR5	8.90	6BJ8	3.20		See Web	6DT6-A	2.20
6-4 (ballast)	7.95	6AR6	21.80	6BK4-A-B	12.40	6CH3	See 6CJ3	6DT8	3.60
6A3	See Web	6AR6WA	See 6098	6BK4C/6EL4A	38.95	6CH8	2.50	6DW4B	See 6CJ3
6A4	8.70	6AR8	5.00	6BK5	1.45	6CJ3/6CH3	5.70	6DZ4	See 6AF4



ES (Tubular)	28.30	6GM6	4.10	6JM6-A	4.25	6LX6	34.60	6SR7	2.80
EA7/6EM7	8.00	6GM8/ECC86	6.00	6JN6	5.30	6M11	5.00	6SS7	3.80
EA8	7.50	6GN8	See 6EB8	6JS6B	38.70	6ME8	3.00	6ST7	2.90
EB5	See 6AL5	6GT5-A	13.00	6JS6C	56.50	6MF8	3.30	6SU7GTY/6188	12.10
EB8/6GN8	3.85	6GU5	2.60	6JT6-A	29.10	6MG8	1.00	6SV7	1.45
EC4-A	3.30	6GU7	6.70	6JT8	1.00	6MH6	See 6LF6	6T7G	5.90
EH5	See 6CA5	6GV5	2.40	6JU6	13.70	6MJ6	72.10	6T8-A	1.20
EH7/EF183	2.20	6GV8/ECL85	3.80	6JU8-A	2.20	6MJ8	2.20	6TF4 (ballast)	3.95
EJ7/EF184	1.05	6GW6	See 6DQ6A-B	6JV8	1.45	6ML8	3.20	6U4GT	2.35
EJ7/EF184 (Philips ECG)		6GW8/ECL86	See Web	6JW8/ECF802	2.65	6N02 (delay relay)	3.95	6U5	See 6G5
	1.25	6GX6/GY6	2.90	6JZ6	4.65	6N5	See 6AB5	6U6GT	5.00
EL4A	See 6BK4C	6GX8/EAM86	7.80	6JZ8	4.00	6N05 (delay relay)	3.95	6U7G	3.90
EM5	5.55	6GY6	See 6GX6	6K5GT	4.80	6N6G	30.50	6U8A	See 6KDB
EM7	See 6EA7	6GY8	2.25	6K6G	8.50	6N7	6.10	6U9/ECF201	1.45
EN4	8.30	6H6	2.60	6K6GT	6.20	6N7GT	8.60	6U10	6.40
EQ7	2.90	6H6GT	3.70	6K7	5.30	6N8/EBF80	5.30	6V3-A	1.60
ER5/EC95	4.60	6H6 (GE Jan)	2.50	6K7G	4.60	6N030 (delay relay)	3.95	6V4/EZ80	11.40
ES5	1.45	6HA5/6HM5	3.20	6K7GT	5.20	6P5G	See Web	6V5GT	12.20
ES8/ECC189	5.25	6HB5	21.00	6K8	4.20	6P5GT	See Web	6V6	18.90
EU7	24.90	6HB7	3.15	6K8G	4.90	6P7G	7.40	6V6G	24.50
EU8	1.45	6HD7/6HJ7	1.00	6K8GT	7.20	6Q5G	5.00	6V6GT	21.95
EV7	4.75	6HE5/6JB5	6.80	6K11/6Q11	11.00	6Q7	5.80	6V7G	5.00
EW6	5.60	6HF5	17.80	6KD6	38.25	6Q7G	12.00	6V9	1.45
EW7	4.50	6HF8	3.55	6KD8/6U8A	6.45	6Q7GT	6.00	6W6GT	See 6DG6GT
EX6	See 6CD6GA	6HG5	See 6AQ5A	6KE8	4.75	6Q11	See 6K11	6X4/EZ90	See Web
EY5/6EZ5	5.30	6HG8/ECF86	2.35	6KG6A/EL509	30.20	6R7	3.15	6X4WA	See 6202
EY6	5.95	6HJ7	See 6HD7	6KH8/ECLL800	62.70	6R7G/OM4	4.30	6X5G	11.30
EZ5	See 6EY5	6HK5	3.00	6KM6	9.40	6R7GT	3.60	6X5GT/EZ35	5.70
EZ8	4.00	6HM5	See 6HA5	6KM8	1.95	6R8	2.10	6X8-A	3.15
F4	5.50	6HQ5	See 6HA5	6KN6	16.60	6RHH8	See 6KN8	6X9/ECF200	1.95
F5/H63	5.80	6HS5/6HV5A	6.35	6KN8/6RHH8	17.50	6RK19	See 6BR3	6Y6G	4.60
F5G	25.10	6HS6	See Web	6KS6	See 6BN6	6S4A	4.10	6Y6GA	4.40
F5GT	7.20	6HU8/ELL80	38.30	6KT8	2.20	6S4A (GE)	4.50	6Y6GT	5.10
F6	12.00	6HV5A	See 6HS5	6KU8	1.45	6S7	3.30	6Y9/EFL200	1.40
F6G	29.70	6HZ6	2.20	6KV6-A	52.70	6S7G	4.00	6Z3	See 1V
F6GT	17.00	6J4	2.90	6KX8/ECC808	57.70	6S8GT	2.70	6Z4/84	9.80
F7	4.50	6J5	6.40	6KY8A	3.15	6SA7	3.90	6Z7G	8.10
F8G	10.80	6J5G	26.00	6KZ8	2.90	6SA7GT	4.10	6Z10	See 6J10
F20 (flasher)	3.95	6J5GT	11.35	6L5G	6.20	6SB7-Y	5.10	6ZY5G	5.75
FH5	1.95	6J6A/ECC91	2.25	6L6	25.40	6SC7	See Web	7A4/XXL	6.00
FH8	9.45	6J7/EF36	5.85	6L6G	45.60	6SC7GT	See Web	7A5	4.10
FJ7	3.20	6J7GT	6.50	6L6GA	19.80	6SD7GT	3.30	7A6	2.25
FM7	2.20	6J8G	12.50	6L6GB	27.40	6SF5	4.85	7A7	4.40
FQ5A/6GK5	7.00	6J10/6Z10	5.60	6L6GC	60.45	6SF5GT	5.40	7A8	2.55
FQ7	See 6CG7	6J11	4.20	6L6GC (RCA black plate)		6SF7	4.20	7AF7	11.10
F55	2.90	6JA8	See 6CX8		See Web	6SG7	6.50	7AG7/7AH7	3.75
FV8	See 6BR8A	6JB5	See 6HE5	6L6WGB	See 5881	6SG7GT	5.40	7AH7	See 7AG7
FY5/EC97	4.20	6JB6-A	26.30	6L7	3.70	6SH7	4.30	7AU7	1.80
G5/6U5	44.30	6JC5	See 6HE5	6L7G	5.90	6SH7GT	7.15	7B4	3.50
G6G	5.50	6JC6A	3.80	6LB6	36.00	6SJ7	5.30	7B5	3.10
G11	1.00	6JE6C/6LQ6	57.15	6LB8	1.80	6SJ7GT	12.55	7B6	4.00
GB5-A/EL500	5.85	6JE8	1.45	6LC8	1.00	6SK7	5.95	7B7	12.70
GC5	3.20	6JF6	5.95	6LE8	2.20	6SK7GT	5.20	7B8	3.00
GE5	5.00	6JG5	2.20	6LF6/6MH6	81.40	6SK7WA	See 6137	7C5	7.95
GF7-A	4.75	6JG6-A	37.40	6LF8	1.65	6SL7GT	See Web	7C6	13.40
GH8-A	5.00	6JH5	7.00	6LM8	1.00	6SL7WGT	See Web	7C7	3.05
GJ5-A	7.05	6JH6	See 6BZ6	6LN8	See 6BL8	VT-231 (6SN7GT marked VT-231)	See Web	7DJB/PCC88	10.00
GJ7/ECF801	1.00	6JH8	4.10	6LQ6	See 6JE6C			7E5/1201	6.20
GK5	See 6FQ5A	6JK5	3.60	6LQ8	2.20	6SN7GT-B (full base only)		7E6	2.80
GK6	15.30	6JK6/6JL6	28.00	6LR6	47.30			7E7	1.95
GL7	7.20	6JK8	2.20	6LR8	2.20	6SQ7	5.95	7F7	6.80
GM5	27.80	6JL6	See 6JK6	6LU8	6.10	6SQ7GT	4.95	7F8	9.80

7G7/1232	6.60	12AG6	See 12AD6	12D4/12DM4	2.25	12SK7GT	6.00	17Z3/PY81	1.0
7H7	4.10	12AH7GT	2.90	12DA6/UF89	5.75	12SL7GT	5.75	18AJ10	1.0
7HG8/8HG8	1.45	12AJ6	2.40	12DE8	1.60	12SN7GT-A-B (full base only)	11.85	18FW6-A	2.0
7J7/757	4.50	12AJ7/HCH81	4.80	12DK7	2.20	12SQ7	8.45	18FX6-A	2.0
7K7	5.60	12AL5	3.00	12DM4	See 12D4	12SQ7GT	8.40	18FY6-A	1.0
7KY6/9KX6	2.10	12AL8	2.95	12DQ6-A	7.60	12SR7GT	3.30	18GD6-A	3.0
7N7	11.20	12AQ5	2.70	12DQ6B/12GW6	11.30	12SR7/12SW7	2.75	18GV8/PCL85	4.0
7Q7	2.35	12AT6/HBC90	2.65	12DQ7	5.00	12SR7GT	3.30	19	5.0
7R7	3.30	12AT7/ECC81	10.90	12DS7	3.80	12SW7	See 12SR7	19BG6G-GA	4.0
7S7	See 7J7	12AT7/E81CC (Mullard)		12DT5	1.45	12SX7GT	23.95	19C8	2.0
7W7	2.90		38.60	12DT8	6.70	12V6GT	8.50	19CL8A/19JN8	1.0
7X7/XXFM	4.30	12AT7 (RCA)	24.40	12DV7	1.45	12W6GT	1.70	19D8/UCH81	3.0
7Y4	2.85	12AT7WA	See 6201	12DV8	4.60	12X4	3.50	19EA8A	See 17A
7Z4	2.90	12AT7WC	11.20	12DW7/7247	16.70	12Z3	2.50	19HS6	4.0
8A8/9A8/9U8	1.60	12AU6	4.25	12DW7 (ECG)	16.95	13A (ballast)	3.95	19HV8	2.0
8AC10	2.20	12AU6 (GE)	4.75	12DW7 (GE)	19.90	13CW4	19.10	19JN8	See 19CL8
8AU8-A/8BA8-A	1.00	12AU7-A/ECC82	18.25	12DZ6	4.50	13DE7	2.10	19Q9	1.2
8B8	3.30	12AU7A (RCA Clear Top)		12EA6/12EK6	2.95	13EM7/15EA7	4.00	19T8/HABC80	8.0
8BA8A	See 8AU8A		39.90	12EC8	3.20	13FM7/15FM7	2.35	19V8	5.0
8BM11	1.00	12AU7-A (RCA)	29.95	12EG6	3.80	13GF7A	6.10	19X8	1.0
8BN8	3.00	12AU7A (RCA brown box)		12EH5	See 12CA5	14A4	4.50	20EZ7	4.0
8BQ5	10.90		28.50	12EK6	3.10	14A5	3.60	20LF6	76.1
8CG7/8FQ7	3.90	12AU7WA	See 6189	12EL6	2.90	14A7	See 12B7	21A6/21B6	4.0
8CM7	1.45	12AV5GA	2.00	12EM6	1.00	14AF7/XXD	7.20	21B6	See 21A
8FQ7	See 8CG7	12AV6	4.10	12EQ7	2.20	14B6	5.10	21HB5-A	3.0
8HG8	See 7HG8	12AV7	5.15	12EZ6	3.60	14B8	1.00	21JS6A/23JS6	21.0
9A8	See 8A8	12AW6	1.20	12F5GT	2.25	14C7	2.20	21JV6	1.0
9GH8A	2.20	12AX4GTA	1.20	12F8	2.20	14F7	3.40	21JZ6	4.8
9JW8/PCF802	1.45	12AX4GTB	1.45	12FQ7	6.70	14F8	4.30	22	5.0
9KX6	See 7KY6	12AX7-A	24.15	12FQ8	5.50	14G6/UBC81	3.70	22BW3	1.7
9MN8	2.90	12AY3-A	1.45	12FR8	10.30	14GT8/14JG8	2.80	22DE4	1.0
9U8	See 8A8	12AY7	See Web	12FX8A	2.35	14H7	3.25	22JF6/22KM6	8.3
10	70.40	12AZ7-A	6.30	12G4/12H4	6.90	14J7	2.35	22JG6-A	3.2
10BQ5	5.60	12B4A	6.10	12GA6	1.60	14JG8	See 14GT8	22KV6-A	4.0
10C8	1.45	12B7/14A7	6.20	12GB3	5.05	14K7/UCH42	3.80	23JS6	See 21JS6
10DE7	3.60	12BA6/HF93	4.85	12GN7-A/12HG7	4.50	14L7/UBC41	3.20	23Z9	1.0
10EW7	2.00	12BA7	2.00	12GW6	See 12DQ6B	14Q7	3.40	24A	14.5
10GF7-A	5.80	12BD6	3.90	12H4	See 12G4	14R7	3.40	24BF11	1.4
10GV8/LCL85	2.00	12BE6/HK90	7.40	12H6	2.60	14S7	2.35	24G	See 3C2
10KR8/10LB8	4.40	12BF6/12BU6	2.60	12HG7	See 12GN7A	14X7	1.75	24JE6-A	9.0
10LB8	See 10KR8	12BH7A	23.90	12HL7	2.20	14Y4	5.00	24JE6C/24LQ6	26.4
10LT8/10LW8	1.70	12BH7A (RCA)	See Web	12J5	5.65	15AF11-A	1.45	24JZ8	1.8
10LW8	See 10LT8	12BK5	1.45	12J5GT	3.40	15BD11-A	2.20	24LQ6	See 24JE6
10 Special	92.90	12BL6	2.40	12J7GT	3.00	15EA7	See 13EM7	25A7GT	3.2
10Y (ST)	66.00	12BN6	1.95	12JB6A	20.00	15FM7	See 13FM7	25AC5GT	5.1
11B (ballast)	3.95	12BQ6GT-A-B	1.75	12JF5	8.65	15HB6	2.90	25AV5GA	5.0
11BM8	6.20	12BT3	1.80	12JT6A	6.50	15MF8	1.10	25AV5GT	2.6
11CA11	2.90	12BU6	See 12BF6	12K5	3.60	16BQ11	1.45	25BK5	1.4
11DS5	3.75	12BV7/12BY7-A	13.60	12K7GT	3.60	17A8/19EA8A	2.70	25CA5	1.6
11HM7	2.80	12BW4	4.60	12Q7GT	2.75	17C9	5.05	25CD6GB	4.5
11MS8	5.70	12BY7A	See 12BV7	12R5	1.00	17D4-A/17DM4-A	1.00	25CG3	3.3
12A5	3.60	12BZ6	13.10	12SA7	7.15	17DM4A	See 17D4A	25CK3	2.6
12A6	3.00	12BZ7	See Web	12SA7GT	5.10	17DQ6-B/17GW6	4.20	25E5/PL36	6.9
12A7	5.40	12C5/12CU5	1.55	12SC7	3.20	17GW6	See 17DQ6B	25EH5	2.8
12A8G	3.10	12CA5/12EH5	1.45	12SF5	4.00	17JB6-A	7.60	25HX5	6.8
12A8GT	2.90	12CN5	1.45	12SF5GT	2.55	17JF6	5.50	25L6GT/25W6	3.9
12AB5	4.20	12CR6	2.80	12SF7	5.70	17JG6-A	5.50	25W6	See 25L6GT
12AC5/UF41	6.20	12CS6	2.25	12SG7	4.40	17JN6	2.50	25W6GT	See 25L6GT/25W6
12AD6/12AG6	2.50	12CT3	3.00	12SG7 (GE Jan)	4.75	17JQ6-A	3.20	25Y5	3.2
12AE6-A	3.10	12CT8	2.20	12SJ7	3.95	17JZ8	5.30	25Z5	3.7
12AE7	4.20	12CU5	See 12C5	12SJ7GT	6.90	17KV6-A	7.70	25Z5 Tubular	3.7
12AF6	3.10	12CX6	1.30	12SK7	5.60	17KW6/PL508	3.30	25Z6GT	2.9



6 (ST)	24.20	45Z3	1.20	117Z3	4.80	572B/160L	169.60	1619	9.50
6A6	4.25	45Z5GT	3.40	117Z4GT	3.30	672A	64.18	1620	10.70
6A7GT	6.20	46 (ST)	26.60	117Z6GT	6.00	673	12.00	1622	16.60
6AQ8/UCC85	3.55	47 (ST)	26.40	150B2/6354	5.50	717A	18.60	1624	18.10
6C6	6.70	49	14.40	150C2	See 0A2/150C2	719A	4.50	1625	See Web
6D6	5.40	50 (ST)	See Web	160L	See 572B	724B	12.10	1626	10.50
6HU5	20.10	50A1/D5TF30 (ballast)		171-A	85.50	801-A	125.80	1629	16.60
6LW6	20.40		41.00	210	233.20	802	8.80	1641/RK60	10.50
6LX6	24.20	50A5	3.40	211/VT-4C	238.60	803	28.50	1642	See 2C21
6Z5-W	22.20	50B5	2.50	222	15.50	805/331A	106.00	1659A	8.25
7 (ST)	13.40	50B8/UCL82	7.10	224	20.30	807	19.80	1852	See 6AC7
7GB5/PL500	4.10	50C5	11.00	226	34.50	807W	See 5933	1853	See 6AB7
7LF6	61.30	50C6G	4.10	227	30.70	809	41.30	2050 (ST)	20.50
8D7-W	3.95	50DC4	3.20	230	45.10	810	156.20	2050A (tubular)	22.65
9KQ6	3.25	50EH5	4.70	233	29.70	811A	53.60	2050W	14.60
0 (must say 30)	16.20	50HK6	3.40	235/251	15.00	812-A	76.40	4043	36.00
0KD6	20.60	50L6GT	8.15	245	179.00	813	62.80	4657	See 8072
0MB6	12.40	50X6	3.60	246	89.90	815	15.90	5514	37.70
1	16.90	50Y6GT	2.90	247	53.40	816	24.90	5545	184.35
1JS6C	14.00	50Y7GT	4.30	256	31.00	826	41.10	5558/FG-32	52.90
1LQ6	15.40	53	9.10	262A-B (WE)	See Web	829B/3E29	13.20	5591/403B	8.60
1LR8	2.90	53HK7	5.30	274B (WE)	See Web	830B	72.00	5636	5.40
1LZ6	13.30	55	7.00	275A (WE)	See Web	832A	8.80	5639	4.80
2	8.20	56	7.50	280	99.95	836	29.80	5641	7.70
2ET5A	2.20	57	6.50	281	69.90	837	8.40	5642	5.40
2L7GT	2.95	59	15.10	282	37.70	841	32.70	5643	4.80
3	7.70	60FX5	3.40	297A (WE)	7.80	842	140.90	5644	4.60
3GY7-A	4.00	6JS6A	38.70	300B (WE)	See Web	843	39.20	5647	2.40
3JR6	7.60	70L7GT	5.60	311A-B (WE)	See Web	864	47.30	5651A	3.20
4	5.60	71A (ST)	45.60	313C-CA	3.30	865	19.10	5653	13.10
5-51	6.50	73	5.60	316A	44.40	866A	25.30	5654/6AK5W	3.95
5A5	5.00	75 (ST)	21.00	323A-B	10.40	866JR	26.60	5670/2C51W	4.90
5B5	2.60	76 (ST)	17.60	328A (WE)	See Web	868/PJ23	12.10	5672/DL69	3.70
5C5	4.10	77	4.00	331A	See 805	872-A	57.20	5678	2.25
5DZ8	2.20	78	5.70	338A (WE)	10.40	874 (ST)	5.65	5686	6.00
5EH5	3.00	79	3.20	375A (WE)	See Web	879	See 2X2A	5687	9.40
5L6GT	6.40	80 (ST)	27.40	394A	11.00	884	5.80	5687 (Jan ECG)	See Web
5LR6	19.10	80 (tubular)	16.90	396A/2C51 (WE)	See Web	917	10.40	5691 (red base)	See Web
5W4	8.25	81 (ST)	20.90	396A/2C51	12.00	918/CE-1C	4.30	5692 (black/brown base)	See Web
5Y4	3.80	82 (ST)	20.80	403A (WE)	11.90	921	3.80	5692 (red base)	See Web
5Z3	3.90	83	See Web	403B	See 5591	923	15.00	5692 (red base)	91.60
5Z4GT	2.50	83V	19.60	404A	See 5847	924	See 1P41	5693	12.90
5Z5GT	See Web	84	See 624	407A	8.25	927/CE25C-D	24.40	5696-A	3.20
6	7.70	85	4.30	408A	See 6028	930	3.20	5702	8.20
6AM3B	2.85	85A2	See OG3	409A	1.80	931A-B	27.70	5704	6.10
6KD6/40KD6	18.20	85A5	11.90	412A (WE)	See Web	950 (ST)	22.30	5718-A/EC70	8.00
6MC6	16.95	89Y	3.60	415A	3.05	954	4.65	5719	10.50
7	8.50	90C1	6.70	416B/6280	11.20	955	3.40	5725/6A56W	1.45
8	4.70	101F (WE)	125.00	416C	9.35	956	6.95	5726/6AL5W	3.65
8HE7/38HK7	6.25	112A	42.40	416D	21.50	958	5.40	5727	2.70
8HK7	See 38HE7	115C30(delay relay)	3.95	418A	41.00	959	5.50	5744/6151	8.35
9-44	2.80	115C30T(delay relay)	3.95	420A (WE)	See Web	991	3.90	5749/6BA6W	4.10
0KD6	See 36KD6	115N010(delay relay)	3.95	421A (WE)	See Web	1005	7.95	5750/6BE6W	4.70
0KG6A/PL519	19.90	115N060(delay relay)	3.95	443A (WE)	2.70	1201	See 7E5	5751	See Web
1 (ST)	12.30	115N060T (delay relay)		446A	5.20	1232	See 7G7	5751 (GE JAN)	See Web
2KN6	9.30		3.95	485 (ST)	17.10	1252	See 6KD8	5755/420A	7.30
2 (ST)	18.35	115N075T (delay relay)		502A	11.00	1291	See 3B7	5763	7.85
3	7.10		3.95	520A	See 5755	1294	See 1R4	5783	1.60
5	See Web	117L7	7.30	522AX	See 6088	1612	4.25	5787	4.00
5A5/UL41	16.60	117N7GT	5.00	533AX	4.95	1614	See Web	5814A	See Web
5B5/UL84	5.10	117P7GT	5.10	548DX	See 6418	1616	7.20	5823/Z900T	18.75

5824	4.80	6197	1.80	7060	1.00	B5991	See 8422	ECC82	See 12AU7
5840/6225	7.70	6201/12AT7WA	9.90	7061	3.40	BH	24.00	ECC83	See 12AX7
5841	6.30	6202/6X4WA	See Web	7062/E180CC	8.40	C1J-A	See C1K	ECC84	See 6CW
5842/417A	14.50	6203	5.40	7119/E182CC	18.80	C1K/6014	92.70	ECC85	See 6AQ
5847/404A	13.95	6205	3.80	7189-A	See Web	CE-1C	See 918	ECC86	See 6GM
5876A	17.20	6211A	3.20	7193	See 2C22	CE25C	See 927/CE25C-D	ECC88	See 6DJ
5879	8.00	6225	See 5840	7199	See Web	CE25D	See 927/CE25C-D	ECC91	See 6J6
5879 (Philips ECG)	8.95	6227/E80L	30.35	7212	See 6146W	CV136	See 6AM5	ECC189	See 6ES
5881/6L6WGB	33.65	6252	19.50	7233	12.20	CV450	See 6CN6	ECC801	See 606
5881 (Tung Sol)	See Web	6267/EF86	41.75	7236	40.30	CV5331	See 6E58/ECC189	ECC808	See 6K
5894/AX9903	44.25	6267/EF86 (Amperex Bugle Boy)	See Web	7245	15.80	DAF91	See 1S5	ECF82	See 6KD
5896	4.40	6267/EF86 (Mullard)	67.20	7247	See 12DW7	DAF96	See 1AF5	ECF86	See 6HG
5899	6.90	6267/EF86 (Mullard)	67.20	7258	1.45	DCC90	See 3A5	ECF200	See 6X
5901	See 5840	6280	See 416B	7289/2C39A	26.00	DF91	See 1T4	ECF201	See 6U
5902	6.50	6293	23.90	7308/E188CC	See Web	DF92	See 1L4	ECF801	See 6GJ
5906	11.80	6299	15.00	7360	49.10	DK91	See 1R5	ECF802	See 6JW
5931/5U4WG	37.70	6336-A-B	55.10	7370	10.30	DL69	See 5672	ECH42	See 6CU
5932/6L6WGB	40.50	6350	9.45	7377/QQE04-5	41.20	DL92	See 354	ECH80	See 6AN7
5933/807W	16.50	6354	See 150B2/6354	7403/3D21WB	31.00	DL94	See 3V4	ECH81	See 6AJ
5947	3.30	6360-A	6.35	7534/E130L	45.70	DL96	See 3C4	ECH83	See 6DS
5962	2.20	6384	See Web	7543/E130LF	2.90	DL98	See 3B4	ECL82	See 6BM
5963/12AU7A	5.95	6386	149.95	7551	6.10	DM160	See 6977	ECL83	8.40
5964	1.30	6397	7.90	7558	9.00	DR2120	9.90	ECL85	See 6GV
5965-A	3.30	6414	10.90	7581A/KT66	See Web	DY80	See 1BX2	ECL86	See 6GW
5977	8.40	6418/548DX	9.70	7591A	See Web	E80CC	See 6085	ECLL800	See 6KH
5987/SC968B	11.00	6463	4.40	7643/E80CF	19.70	E80CF	See 7643	EF36	See 6J
5991	See 8422	6485/6AH6WA	1.45	7687	23.35	E80F	See 6084	EF37A	12.30
5998	29.70	6519	8.90	7695	3.45	E80L	See 6227	EF41	See 6CJ
6000	34.70	6520	See 6A57G	7722/E280F	14.40	E81L	See 6686	EF50/VR91	2.10
6005/6AQ5W	5.90	6524	10.20	7788/E810F	32.40	E82CC	See 6189	EF80	See 6BX
6012	59.95	6528-A	71.70	7815-AL	16.00	E83F	See 6689	EF85	See 6BY
6014	See C1K	6550 (ST)	See Web	7868	See Web	E86C	13.10	EF86	See 626
6021	3.00	6626/0A2WA	4.40	7895	7.95	E88CC	See 6922	EF89	See 6DA
6028/408A	1.60	6627/0B2WA	5.90	7905	9.95	E90F	See 6BH6	EF91	See 6AM
6060/ECC801	9.50	6660/6BA6	3.80	7984	9.80	E99F	See 6BJ6	EF92	See 6CQ
6072-A	See Web	6661/6BH6	6.80	8008	19.90	E130L	See 7534	EF93	See 6BA
6080	6.10	6662/6BJ6	4.00	8012-A	29.00	E130LF	See 7543	EF94	See 6AU
6080WC	8.10	6663/6AL5	1.80	8032A	See 6883B	E180CC	See 7062	EF95	See 6AK
6084/E80F	34.40	6669/6AQ5A	3.60	8056	16.50	E180F	See 6688	EF96	See 6AG
6085/E80CC	54.40	6678/6U8A	5.00	8072/4657	105.40	E182CC	See 7119	EF183	See 6EH
6087/SY3WGTB	13.20	6679/12AT7	9.50	8077	See 7054	E188CC	See 7308	EF184	See 6EJ
6088/522AX	6.35	6680/12AU7A	7.20	8100	3.50	E280F	See 7722	EF804	67.40
6095	4.00	6686/E81L	7.20	8102	1.45	E810F	See 7788	EFL200	See 6Y
6096	See 5654	6688/E180F (gold pin)		8106	8.80	EA52	See 6923	EH90	See 6CS
6098/6AR6WA	24.60		5.95	8117A	179.00	EAA91	See 6AL5	EK90	See 6BE
6100/6C4WA	3.95	6688/E180F	4.95	8136	2.50	EABC80	See 6AK8	EL36	See 6CM
6106/5Y3WGT	11.35	6689/E83F	12.10	8228/ZZ1000	6.65	EAF42	See 6CT7	EL41	See 6CK
6111	6.95	6829	10.70	8236	89.90	EAM86	See 6GX8/EAM86	EL83	See 6CK
6112	23.20	6883B/8552	14.10	8298A	See 6146B	EB91	See 6AL5	EL84/6BQ5	29.40
6130	See 3C45	6907	14.40	8393	8.05	EBC90	See 6AT6	EL86	See 6CW
6134/6AC7WA	8.10	6922/E88CC	11.00	8422/5991	4.60	EB91	See 6AV6	EL90	See 6AQ
6136/6AU6WA	3.75	6923/EA52	20.00	8463	5.30	EBF80	See 6N8	EL91	See 6AM
6137/6SK7WA	7.30	6939	12.95	8532	3.30	EBF89	See 6AD8	EL95	See 6DL
6146A	25.40	6948	8.20	8552	See 6883B	EC70	See 5718	EL500	See 6GB
6146B/8298A	37.50	6973	60.45	8608	28.50	EC86	See 6CM4	EL509	See 6KG
6146W/7212	29.60	6977/DM160	10.60	9001	4.25	EC90	See 6C4	ELL80	See 6HU
6151	See 5744	7025	39.95	9002	5.70	EC91	See 6AQ4	EM34	See 6CD
6156	81.90	7027-A	66.55	9005	3.20	EC92	See 6AB4	EM80	See 6BR
6159A	7.50	7044	See Web	A2134	8.00	EC95	See 6ER5	EM81	See 6DA
6159B	20.00	7054/8077	3.40	AX9903	See 5894	EC97	See 6FY5	EMM801	80.80
6188	See 6SU7GT	7056	5.90	AZ11	7.10	EC900	See 6HA5	EY88	See 6AL
6189/12AU7WA	12.55	7059	6.00	AZ41	9.50	ECC81	See 12AT7	EZ35	See 6X5

Z80	See 6V4	HK90	See 12BE6	PCL85	See 18GV8	SC968B	See 5987	VR75	See 0A3
Z81	See 6CA4	HY615	6.35	PJ23	See 868	UABC80	5.70	VR90	See 0B3
Z90	See 6X4	KT66	See 7581A	PL21	See 2D21	UBC41	See 14L7	VR91	See EF50/VR91
Z-32	See 5558	L49D (ballast)	7.95	PL36	See 25E5	UBC81	See 14G6	VR105	See 0C3-A
M1000	See Web	LF183	See 4EH7	PL81	See 21A6	UCC85	See 26AQ8	VR150	See 0D3-A
S10D	11.10	LF184	See 4EJ7	PL500	See 27GB5	UCH42	See 14K7	VT4C	See 211/VT-4C
V5A-2000	3.30	ML381	See 2C39B/6897	PL508	See 17KW6	UCH81	See 19D8	X199	66.50
Y802	1.60	N142	See 45B5	PL519	See 40KG6A	UCL82	See 508M8	X201A/301A	52.70
Z30	See 5AR4/GZ30	OM4	See 6R7G	PL802	7.70	UCL83	3.60	XXD	See 14AF7
Z34	See 5AR4/GZ34	PC95	See 4GK5	PY81	See 17Z3	UF41	See 12AC5	XXFM	See 7X7
63	See 6F5	PC900	See 4HA5	PY83	See 17Z3	UF89	See 12DA6	XXL	See 7A4
ABC80	See 19T8	PCC88	See 7DJ8	QQE03-12	See 6360-A	UL41	See 45A5	YC95	See 3ER5
BC90	See 12AT6	PCF80	See 8A8/9A8	QQE04-5	See 7377	UL84	See 45B5	Z900T	See 5823
CH81	See 12AJ7	PCF82	See 8A8	RK60	See 1641	UM80	16.40	ZM1000	19.95
F93	See 12BA6	PCF802	See 9JW8	RK61	9.95	V199	109.30	ZZ1000	See 8228

Tube Boxes

Heavy plain white boxes with dividers to cushion tubes. **Minimum order of 10 per size.**

Box Size	Fits	Lbs Per 100	Part	Each	Per 100	Case Quantity	Case Price
1" x 1" x 3" (min)	12AX7 etc.	1.0	S-B247	\$0.15	\$13.00	1500	\$175.50
1" x 1" x 3 1/4" (min)	6BQ5, EL84 etc.	1.0	S-B254	.20	14.00	1500	189.00
1 1/4" x 1 1/4" x 3 1/16"	6V6GT, 6SN7, 12SK7	1.5	S-B248	.20	18.00	750	121.50
1 3/8" x 1 1/16" x 4 1/16"	6L6GC, thin EL34	3.0	S-B249	.29	23.00	650	134.55
1 7/8" x 1 7/8" x 5 3/8"	45(ST), 71A, 6550A	4.0	S-B251	.34	32.50	800	232.00
2 1/4" x 2 1/4" x 6 1/8"	6550, KT88, 2A3, 807	5.5	S-B252	.36	34.00	500	153.00
3" x 3" x 7"	811A, Globe 250	7.0	S-B253	.42	41.00	300	110.70

Heavy Plain Tube Boxes

For larger industrial and transmitting tubes. No divider. **Sold individually.**

3" x 3" x 10"	S-B120	\$0.65
3" x 3" x 5"	S-B121	.55
4" x 4" x 4"	S-B122	.55

Tube Egg Crate

15" x 15" egg crate packing boxes designed for storing tubes. Supplied unassembled.

Cells	Size		
7 & 9 pin miniature	289	7/8" x 1 1/4" high	S-B123 \$8.00
GT, Metal	121	1 3/16" x 2 3/4" high	S-B124 9.60
Small ST	81	1 1/2" x 3" high	S-B125 9.00
Large ST	64	1 3/16" x 3 3/4" high	S-B126 7.20

Cartons for above

15" x 15" x 4"	S-B127	\$4.95
15" x 15" x 5"	S-B128	4.95

Schematic Service

We maintain a library of service information for early radios, tube amps and other tube gear.

Copies of early radio schematics for known makes and models are available for \$8.00.



P-ST8-209MIP



P-ST8-210M



P-ST8-250MB



P-ST8-250MT



P-ST8-485



P-ST8-500



P-ST8-600



P-ST8-800

8 Pin Chassis Mount

	Mounting	Mounting Centers	Chassis Hole		
Micalex, saddle (Belton)	MB/MT	1½"	1⅜" to 1¼"	P-ST8-209MIP	\$3.50
Plastic, bottom mount	MB	1¼"	1"	P-ST8-210M	3.20
Plastic, bottom mount	MB	1½"	1⅝"	P-ST8-250MB	2.90
Plastic, top mount	MT	1½"	1⅝"	P-ST8-250MT	2.90
Phenolic, MIP	MB = 1⅝", MT = 1¼"	1½"	1¼" to 1¼"	P-ST8-485	10.90
Phenolic	MT	1½"	1⅝" to 1¼"	P-ST8-500	3.90
Phenolic	MT	1½"	1" to 1⅝"	P-ST8-600	3.70
Ceramic, with mounting bracket	MB/MT	1⅝"	1⅝" to 1⅝"	P-ST8-800	1.90
Ceramic, with mounting bracket	MB/MT	1⅝"	1⅝" to 1⅝"	P-ST8-801	1.90
Ceramic, with mounting bracket (Premium Quality)	MB/MT	1⅝"	1⅝"	P-ST8-802	6.90
Ceramic, crimped bracket	MB = 1¼", MT = 1" to 1⅝"	1½"	1" to 1¼"	P-ST8-807	1.90
Celanex	MB	1½"	1⅝"	P-ST8-808	7.90
Plastic, uses P-SH2-104-2	MT	(snap-in)	1⅝"	P-ST8-810	1.90
Wavy washer (works with P-ST8-810 for mounting without screws)				P-SH2-104-2	.75
Mounting plate (works with P-ST8-810 and requires wavy washer)				P-SH12-1-31	1.60

MB = Bottom mount

MT = Top mount

* = Oblong Mounting Holes



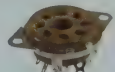
P-ST8-801



P-ST8-802



P-ST8-807



P-ST8-808



P-ST8-810



P-SH2-104-2



P-SH12-1-31

8 Pin PC Mount

	Mounting	Mounting Centers	Chassis Hole		
Ceramic	MB/MT	-	1⅝"	P-ST8-193	\$1.95
Ceramic, gold pins	MB/MT	-	1⅝"	P-ST8-193G	2.50
Micalex, PC mount, short leads (Belton)	MB/MT	1½"	1¼"	P-ST8-209MIP-PC	3.50
Micalex, PC mount, long leads (Belton)	MB/MT	1½"	1¼"	P-ST8-209MIPPCL	3.50
Ceramic, crimped bracket	MB = 1¼", MT = 1" to 1⅝"	1½"	1" to 1¼"	P-ST8-807-PC	1.95
Micalex, for auto-wave soldering (Belton)	See Web	1½", 1⅜"	1⅝"	P-ST8-AWS	3.50

MB = Bottom mount

MT = Top mount



P-ST8-193



P-ST8-193G



P-ST8-209MIP-PC



P-ST8-209MIP-PCL



P-ST8-807-PC



P-ST8-AWS

TECH NOTE:

Most Fender™ amplifiers use P-ST8-807.
Most Marshall™ amplifiers use P-ST8-209MIP.

Please verify chassis hole size in your amp
before ordering sockets.

Octal Tube Retainers and Clips

Retainer. For use with suspended 5881, 6L6, EL34, tubes	S-H141	\$1.95
Rubber ring to dampen vibration. Fits EL34, 6L6GC, 5881	S-H141-RING	.30
Retainer. For use with suspended KT88, 6550 tubes	S-H143	1.95
Clip grips tube base with "teeth," use with octal sockets with 1½" diameter. Super high quality	S-H142	1.95

S-H141
S-H143

S-H141-RING



S-H142



P-STKY-1

Octal Keyway Replacement

Package of 4	P-STKY-1	\$10.00
--------------	----------	---------

Octal Plug

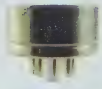
Plastic	P-SP8-500	\$1.50
---------	-----------	--------



P-SP8-500



P-SP8-478



P-SP8-477



P-SP8-476

Octal Phenolic Tube Base

Used for octal plug or coil form.

1⅝" outer diameter x ⅞" high	P-SP8-476	\$2.75
1⅝" diameter x 1⅝" high. Gold	P-SP8-477	3.25
1⅝" diameter x 1⅝" high. Gold	P-SP8-478	3.25

9 Pin Miniature Chassis Mount

13

Sockets

Mounting	Mounting Centers	Chassis Hole		
Phenolic with center shield	MT	1 1/8"	3/4"	P-ST9-100 \$9.95
Ceramic with center and outer shield	MT	1 1/8"	7/8"	P-ST9-162 2.25
Ceramic with center and outer shield	MT	1"	3/4"	P-ST9-165 2.25
NOS Bakelite	MB	1 1/8"	3/4"	P-ST9-211 3.95
Ceramic, center shield/shield base	MT	1"	7/8"	P-ST9-212 1.25
Plastic with shield base	MT	1 1/8"	3/4"	P-ST9-213 1.75
NOS Micalex	MT	1 1/8"	3/4"	P-ST9-213MX 3.95
Plastic	MT	1 1/8"	3/4"	P-ST9-300 1.05
Ceramic with center and outer shield	MB	1 1/8"	3/4"	P-ST9-301 1.15
Ceramic	MB	1 1/8"	3/4"	P-ST9-400 1.15
Ceramic with center shield (socket w/ bracket)	MB/MT	1 1/8"	7/8"	P-ST9-511 1.05
Micalex (Belton)	MT	1 1/8"	3/4"	P-ST9-600 2.75
Micalex (Belton)	MB	1 1/8"	3/4"	P-ST9-601 2.75
Micalex	MT	1"	3/4"	P-ST9-610 2.75
Micalex with shield base (Belton)	MT	1 1/8"	3/4"	P-ST9-700 2.95

MB = Bottom mount MT = Top mount



9 Pin Miniature PC Mount

	Tail Diameter		
Ceramic with shield, 1" mounting centers - MT	1 1/8"	P-ST9-164	\$2.25
Shield base (plastic), 1" mounting centers - MT	3/4"	P-ST9-213-PC	1.85
Ceramic	1 1/8"	P-ST9-214	1.75
Ceramic, gold pins	1 1/8"	P-ST9-214G	2.35
Plastic, stand-off	3/4"	P-ST9-215	1.50
Ceramic, 3/4" chassis hole - MB	3/4"	P-ST9-217	1.95
Ceramic, gold pins	7/8"	P-ST9-221G	3.75
Ceramic, stand-off	3/4"	P-ST9-222	1.75
Ceramic, stand-off, 0.82" diameter	3/4"	P-ST9-223	1.75
Plastic	3/4"	P-ST9-224	.95
Ceramic with center shield	7/8"	P-ST9-225	1.75
Micalex - MT	3/4"	P-ST9-610-PC	2.75
Micalex, stand-off (Belton)	3/4"	P-ST9-620	2.75
Micalex, crimped with shield base PC mount (Belton), 1 1/8" mounting centers	3/4"	P-ST9-700-PC	2.95
Micalex, for auto-wave soldering (Belton)	see web	P-ST9-AWS	2.75
3/4" PC hole, 1 1/8" mounting centers	see web	P-ST9-AWS-C	2.25
For auto-wave soldering, ceramic	see web	P-ST9-AWS-CHINA	1.95
For auto-wave soldering, Micalex	see web		



9 Pin Tube Shields, Clips, Retainers

Aluminum bayonet shield. 1 1/8" mounting centers.		
1 1/8" tall, Silver	P-SS9-325	\$0.95
1 1/8" tall, Black	P-SS9-325-BK	1.50
1 1/8" tall, Blue	P-SS9-325-BL	1.50
1 1/8" tall, Green	P-SS9-325-G	1.50
1 1/8" tall, Red	P-SS9-325-R	1.50
1 1/8" tall, Yellow	P-SS9-325-Y	1.50
2" tall. For use with P-ST9-700 and P-ST9-700-PC	P-SS9-400	1.95
2" tall. For use with P-ST9-AWS. Push/twist to chassis (Belton). No mounting centers	P-SS9-600	2.75
2" tall. For use with P-ST9-AWS. Push/twist to chassis. No mounting centers	P-SS9-601	2.10
NOS (Eby) 9 pin, 1 1/2" tall, steel	P-SS9-161	.95
China 9 pin, 1 1/2" tall with base, aluminum	P-SS9-162	.95
Clip, for use with EL84 tubes	S-H144	1.75
Retainer (Belton). For use with EL84 tubes, mounts to chassis	S-H145	1.95
Clip, for 12AX7 tubes	S-H146	1.75



9 Pin Miniature Socket Saver

P-ST9-900 \$3.95

call 480.820.5411 or fax 800.706.6789/480.820.4643





New Old Stock (NOS) Sockets

Some of our NOS sockets have been in storage for years and may show minor signs of corrosion and dirt buildup. All sockets are unused. Due to the many variations of sockets produced by different manufacturers over the years, sockets of the same part number may vary. If you have a specific requirement for your socket, please state this need on your order.

4 pin

	Mounting	Mounting Centers	Chassis Hole		
Ceramic plate for 300B, 2A3 & 811	MB	1 $\frac{3}{4}$ " to 1 $\frac{13}{16}$ "	1" to 1 $\frac{1}{4}$ "	P-ST4-191	\$3.95
Ceramic bayonet for 211 & 845	MT	2 $\frac{13}{16}$ "	-	P-ST4-192	7.95
Ceramic bayonet, gold plated for 211 & 845	MT	2 $\frac{13}{16}$ "	-	P-ST4-193	11.95
Ceramic, Chassis Mount	MB	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	P-ST4-194	2.50
Ceramic bayonet for 300B & 811	MT	2"	-	P-ST4-312	5.95
Phenolic, saddle MIP for 300B & 811	MB/MT	1 $\frac{1}{2}$ "	1 $\frac{3}{16}$ "	P-ST4-205M	24.95

5 pin

Ceramic plate for 807	MB	1 $\frac{3}{4}$ "	1" to 1 $\frac{1}{4}$ "	P-ST5-216	\$4.50
-----------------------	----	-------------------	-------------------------	-----------	--------

6 pin

Phenolic, saddle for 41/42	MT	1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ "	1 $\frac{1}{16}$ "	P-ST6-207M	\$12.95
----------------------------	----	--------------------------------------	--------------------	------------	---------

7 pin

NOS, Phenolic, braise with tele shield	MT	-	2 $\frac{3}{32}$ "	P-ST7-158	\$0.50
NOS, Micallex	MT	$\frac{7}{8}$ "	$\frac{5}{8}$ "	P-ST7-201MX	.85
NOS, Micallex, saddle plate	MB	$\frac{7}{8}$ "	$\frac{3}{4}$ "	P-ST7-201MXB	.95
NOS, Phenolic, saddle plate	MB	$\frac{7}{8}$ "	$\frac{5}{8}$ "	P-ST7-205L	.85
Ceramic plate for 6C33C-B, 829B & 3E29	MB	1 $\frac{1}{8}$ " x 1 $\frac{1}{2}$ "**	1 $\frac{1}{4}$ "	P-ST7-310	3.95
Ceramic plate for 1625	MB	1 $\frac{3}{4}$ " x 1 $\frac{3}{4}$ "**	1" to 1 $\frac{1}{4}$ "	P-ST7-311	3.95
Ceramic plate for for 813	MB	1 $\frac{7}{8}$ " x 1 $\frac{1}{2}$ "**	1 $\frac{1}{4}$ "	P-ST7-813	3.95
Ceramic with center shield & bracket	MB/MT	$\frac{7}{8}$ "	$\frac{5}{8}$ "	P-ST7-814	1.75

9 pin Compactron

NOS, Phenolic, PC stand-off	MT	1 $\frac{5}{16}$ " tail diameter		P-ST9-215-1	\$0.75
-----------------------------	----	----------------------------------	--	-------------	--------

11 pin

Rated 10A, 600V. High, thick insulating barriers	MB/MT			P-ST11-146-817	\$0.95
--	-------	--	--	----------------	--------

12 pin Compactron

Plug				P-SP12-12	\$0.95
MB = Bottom mount MT = Top mount * = Oblong Mounting Holes					

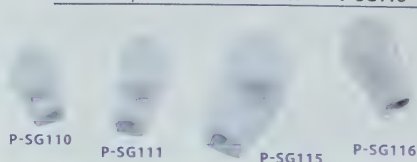
4 pin Tube Bases

	Diameter	Tall		
Bakelite	1 $\frac{1}{4}$ "	1 $\frac{1}{16}$ "	P-SP4-477	\$3.95
Ceramic	1 $\frac{1}{4}$ "	1 $\frac{1}{16}$ "	P-SP4-477C	5.95



Ceramic Grid/Plate Caps

	Cap Diameter		
Ceramic cap	$\frac{3}{8}$ "	P-SG110	\$1.95
Ceramic cap for 807	$\frac{7}{16}$ "	P-SG111	1.95
Ceramic cap for 811, 572B	$\frac{9}{16}$ "	P-SG115	2.95
Ceramic cap for 6K7/EL509	$\frac{1}{4}$ "	P-SG116	8.95



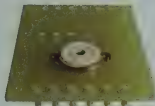
Epoxy Terminal Boards

Heavy duty terminal boards and strips made from .125" G10/FR4 epoxy laminate with silver plated terminals. Threaded standoffs with mounting hardware included. Lugs spaced about $\frac{3}{8}$ " apart.

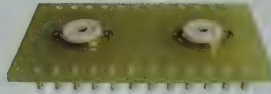
Terminal Boards With Gold Plated Sockets

9 pin

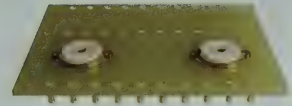
	Rows / Lugs Per Row	Mounting Holes	Board Dimensions		
Single socket	3 / 6	6	3 $\frac{3}{4}$ " x 3"	P-TB9-1-3	\$19.95
Dual socket	2 / 12	4	5 $\frac{1}{4}$ " x 3"	P-TB9-2-2	22.95
Dual socket	3 / 10	6	5 $\frac{1}{2}$ " x 3 $\frac{3}{4}$ "	P-TB9-2-3	26.95
Three socket	2 / 14	6	6 $\frac{3}{4}$ " x 3"	P-TB9-3-2	33.75
For Dynaco Stereo 70. Dual socket	2 / 11	4	5 $\frac{1}{8}$ " x 2 $\frac{3}{8}$ "	P-TB9-ST70	22.95
For Dynaco Mark III. Dual socket	2 / 8	4	4 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ "	P-TB9-MK3	21.55



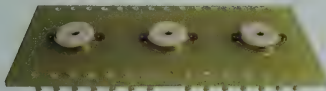
P-TB9-1-3



P-TB9-2-2



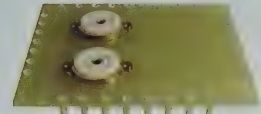
P-TB9-2-3



P-TB9-3-2



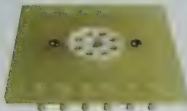
P-TB9-ST70



P-TB9-MK3

8 pin Octal

	Rows / Lugs Per Row	Mounting Holes	Board Dimensions		
Single socket	2 / 6	4	3" x 3"	P-TB8-1-2	\$14.95
Dual socket	2 / 12	4	5 $\frac{1}{4}$ " x 3"	P-TB8-2-2	25.75



P-TB8-1-2



P-TB8-2-2

4 pin

	Rows / Lugs Per Row	Mounting Holes	Board Dimensions		
Single socket	2 / 6	4	3" x 3"	P-TB4-1-2	\$18.95



P-TB4-1-2



P-TS6-1



P-TS6-2



P-TS12-1

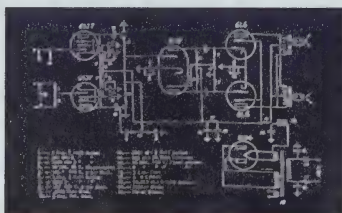
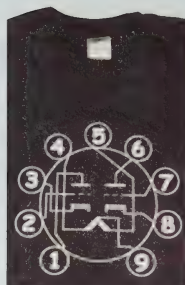
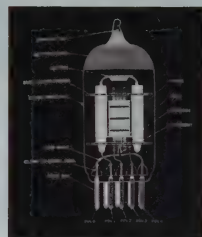
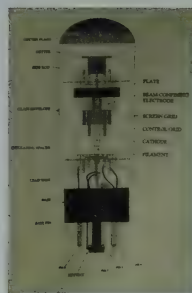
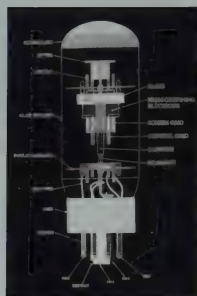


P-TS12-2

Epoxy Terminal Strips

Rows / Lugs Per Row	Mounting Holes	Board Dimensions		
1 / 6	2	3" x $\frac{1}{2}$ "	P-TS6-1	\$3.50
2 / 6	2	3" x $1\frac{1}{4}$ "	P-TS6-2	5.50
1 / 12	2	5 $\frac{1}{4}$ " x $\frac{1}{2}$ "	P-TS12-1	5.50
2 / 12	2	5 $\frac{1}{4}$ " x $1\frac{1}{4}$ "	P-TS12-2	7.50

call 480.820.5411 or fax 800.706.6789/480.820.4643



6L6 Diagram

Forest Green

Medium	G-869M	\$9.95
Large	G-869L	9.95
Extra Large	G-869XL	9.95
Extra Extra Large	G-869XXL	11.95

Stonewash Green

Medium	G-870M	9.95
Large	G-870L	9.95
Extra Large	G-870XL	9.95
Extra Extra Large	G-870XXL	11.95

12AX7 Diagram

Rust

Medium	G-868M	\$9.95
Large	G-868L	9.95
Extra Large	G-868XL	9.95
Extra Extra Large	G-868XXL	11.95

Black

Medium	G-867M	9.95
Large	G-867L	9.95
Extra Large	G-867XL	9.95
Extra Extra Large	G-867XXL	11.95

Tube Shapes

Black

Medium	G-847M	\$9.95
Large	G-847L	9.95
Extra Large	G-847XL	9.95
Extra Extra Large	G-847XXL	11.95

Royal Blue

Medium	G-848M	9.95
Large	G-848L	9.95
Extra Large	G-848XL	9.95
Extra Extra Large	G-848XXL	11.95

Tube Pin Out

Black

Medium	G-852M	\$9.95
Large	G-852L	9.95
Extra Large	G-852XL	9.95
Extra Extra Large	G-852XXL	11.95

Brown

Medium	G-853M	9.95
Large	G-853L	9.95
Extra Large	G-853XL	9.95
Extra Extra Large	G-853XXL	11.95

Vintage Schematic

Black

Medium	G-849M	\$9.95
Large	G-849L	9.95
Extra Large	G-849XL	9.95
Extra Extra Large	G-849XXL	11.95

Royal Blue

Medium	G-850M	9.95
Large	G-850L	9.95
Extra Large	G-850XL	9.95
Extra Extra Large	G-850XXL	11.95

Cardinal Red

Medium	G-872M	\$9.95
Large	G-872L	9.95
Extra Large	G-872XL	9.95
Extra Extra Large	G-872XXL	11.95

Charcoal

Medium	G-873M	9.95
Large	G-873L	9.95
Extra Large	G-873XL	9.95
Extra Extra Large	G-873XXL	11.95

Jensen® Tone

Small	G-866S	\$8.95
Medium	G-866M	8.95
Large	G-866L	8.95
Extra Large	G-866XL	8.95
Extra Extra Large	G-866XXL	9.95

Marshall™ Logo

Medium	G-859M	\$14.95
Large	G-859L	14.95
Extra Large	G-859XL	14.95
Extra Extra Large	G-859XXL	16.95

Vox® Logo

Medium	G-858M	\$14.95
Large	G-858L	14.95
Extra Large	G-858XL	14.95
Extra Extra Large	G-858XXL	16.95

Zenith

Large	G-816L	\$14.95
Extra Large	G-816XL	14.95

Nipper

Large	G-731L	\$15.95
Extra Large	G-731XL	15.95

Clean and Green

Medium	G-871M	\$8.95
Large	G-871L	8.95
Extra Large	G-871XL	8.95
Extra Extra Large	G-871XXL	9.95

Tubesandmore.com Key Chain

Metal vacuum tube key chain, 3 3/8" in length.

Tube key chain	G-KEYTAG-AES	\$3.50
----------------	--------------	--------

Coffee Mugs

Nipper image on 12 oz mug	G-435	\$8.95
Antique Electronic Supply "Tube Dude" logo	G-821	3.95

Jensen® Tone Poster

This is a great poster showing the current lines of Jensen® speakers. 37" high x 24" wide
Poster (ships separately in poster tube) **B-P-JENSEN100 \$4.00**

Jensen® Sticker

Sheet of four stickers	B-JENSENSTICKER	\$1.00
------------------------	-----------------	--------



Front



Back



Jensen®

Vintage Alnico Special Design Reissues

Alnico speakers produce a sweet, warm, vintage tone. They are great for blues, jazz and mellow rock. Alnico speakers respond quickly, giving the musician a "one with the amp" feel. They are world renowned as the premium speaker with the best tone.

Vintage Ceramic Special Design Reissues

Vintage Ceramic speakers are designed to sound similar to the Alnicos, and were first developed in the 1960s as a cost effective alternative to the Alnicos. The advantage of the ceramic speaker is its ability to handle more power as well as a player's front end pedal accessories. Vintage Ceramic speakers are recommended for all types of music.

Neos

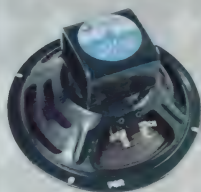
The Jensen® Neodymium ("Neo") is a glimpse into the future of musical instrument speakers. Just as Peter L. Jensen's first musical instrument speaker was groundbreaking, the Jensen® Neo brings a new level of innovation to guitar amp speakers. Neo speakers are extremely versatile and highly responsive and, best of all, are about half the weight so they lighten the load!

MOD

The Jensen® MODs™ are said to be "Modern, with a touch of English". Major advancements in equipment technology and the introduction of new playing styles made it necessary to develop this speaker line, which is geared to the more modern player. The same diligence and dedication put into reissuing the original Jensen® Vintage sound was used in developing the Jensen® MOD™ line of speakers. These speakers sound clear and transparent with just a hint of their British rival's sound.

Jets®

The Jensen® Jet Series share the same sense of innovation as the original Jensen musical instrument speakers. The Jensen Jet is the newest addition to the Jensen line. By listening to what player's wanted in a speaker and utilizing the newest materials, Jensen continues to transform the music industry with the Jet Series by making speakers with unparalleled tone.

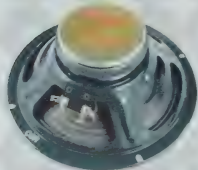


			Rated Power		Voice Coil	Magnet		
		Ohms	(Watts)	Response	Diameter	Weight		

Vintage Alnico Special Design Reissues

Warm clean tone with emphasis on the highs. It responds to overdrive distortion with a warm and bright fuzz lead voice.

P8R	8" Alnico	4/8	25	80-8k	1"	7 oz	P-A-P8R	\$86.60
-----	-----------	-----	----	-------	----	------	---------	---------



Vintage Ceramic Special Design Reissues

Crystal clear tone with brightly shining highs. It responds to overdrive distortion with a bright fuzz lead voice.

C8R	8" Ceramic	4/8	25	80-8k	1"	10 oz	P-A-C8R	\$36.80
-----	------------	-----	----	-------	----	-------	---------	---------



MOD

The MOD 5-30 is a great replacement for Trace Elliot amps. This 5" speaker packs 30 watts of power.

MOD5-30	5" Ceramic	8	30	100-12k	1"	13.4 oz	P-A-MOD5-30	\$27.80
---------	------------	---	----	---------	----	---------	-------------	---------



The MOD 6-15 is a good upgrade for small practice amps.

MOD6-15	6" Ceramic	4	15	80-10k	0.75"	5.6 oz	P-A-MOD6-15	21.20
---------	------------	---	----	--------	-------	--------	-------------	-------



Straightforward tone with smooth highs and more predominant lows. It responds to overdrive distortion with a mellow fuzz overdrive.

MOD8-20	8" Ceramic	4/8	20	80-6k	1"	5.6 oz	P-A-MOD8-20	23.75
---------	------------	-----	----	-------	----	--------	-------------	-------

Please specify ohm rating when ordering.

jensentone.com

(visit our website for tone samples)

	Rated Power	Voice Coil	Magnet
Ohms	(Watts)	Response	Diameter Weight

Jets®

Fat low end topped with sparkling highs. It exhibits a bright, dirty grit when presented with overdrive distortion.

Blackbird	10" Alnico	8/16	100	80-7k	2"	29 oz	P-A-JP10-100BB	\$262.50
------------------	-------------------	------	-----	-------	----	-------	-----------------------	-----------------

Tight, warm low end response topped with sparkling highs. It exhibits a bright and well-defined bite when presented with overdrive distortion.

Tornado	10" Neodymium	8/16	100	80-6k	2"	7 oz	P-A-JN10-100TR	147.00
----------------	----------------------	------	-----	-------	----	------	-----------------------	---------------

Vintage Alnico Special Design Reissues

Rich, warm tone. Accentuates the higher frequencies in sparkling detail.

P10R	10" Alnico	4/8/16	25	70-7k	1"	7 oz	P-A-P10R	\$91.65
-------------	-------------------	--------	----	-------	----	------	-----------------	----------------

Warm tone with some bite in the mid frequencies which translates into a fierce response to overdrive distortion.

P10Q	10" Alnico	8/16	40	70-6k	1.25"	10.5 oz	P-A-P10Q	109.70
-------------	-------------------	------	----	-------	-------	---------	-----------------	---------------

Vintage Ceramic Special Design Reissues

Colorful bell-like chime which transitions into a gritty response when presented with overdrive distortion.

C10R	10" Ceramic	8	25	70-7k	1"	10oz	P-A-C10R	\$41.00
-------------	--------------------	---	----	-------	----	------	-----------------	----------------

Straightforward tone with mid-frequency bite. When presented with overdrive distortion, it can sound edgy.

C10Q	10" Ceramic	8/16	35	70-6k	1.25"	15 oz	P-A-C10Q	47.40
-------------	--------------------	------	----	-------	-------	-------	-----------------	--------------

Neos

Smooth bass heavy tone. When presented with overdrive distortion, it has a smooth fuzz voice.

NEO10-100	10" Neodymium	8/16	100	80-5k	2"	7 oz	P-A-NEO10-100	\$112.65
------------------	----------------------	------	-----	-------	----	------	----------------------	-----------------

MOD

Warm, straightforward tone and tight bass frequencies. When presented with overdrive distortion, it takes on a gritty edge.

MOD10-35	10" Ceramic	8/16	35	70-9k	1"	10 oz	P-A-MOD10-35	\$34.80
-----------------	--------------------	------	----	-------	----	-------	---------------------	----------------

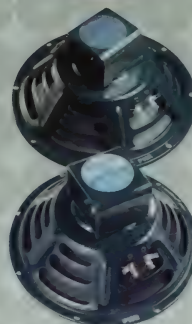
Warm, straightforward tone and tight bass frequencies. When presented with overdrive distortion, it exhibits a colorful fuzz edge.

MOD10-50	10" Ceramic	4/8/16/32	50	70-6k	1.25"	15 oz	P-A-MOD10-50	40.55
-----------------	--------------------	-----------	----	-------	-------	-------	---------------------	--------------

Thick, straightforward tone and fat bass frequencies. It exhibits a bass heavy, dirty grit when presented with overdrive distortion.

MOD10-70	10" Ceramic	8	70	70-7k	1.5"	22.5 oz	P-A-MOD10-70	49.00
-----------------	--------------------	---	----	-------	------	---------	---------------------	--------------

Please specify ohm rating when ordering.





Ohms	Rated Power (Watts)	Response	Voice Coil Diameter	Magnet Weight
------	------------------------	----------	------------------------	------------------

Jets®

Extremely warm and smooth with a very rich, fat low-end and sparkling highs. It handles overdrive distortion by bringing out colorful detail and holding strong even at maximum crunch.

Blackbird	12" Alnico	8/16	100	70-6k	2"	29 oz	P-A-JP12-100BB	\$286.61
------------------	-------------------	------	-----	-------	----	-------	-----------------------	-----------------

The Jensen Jet Tornado has a crystal clear tone, accented with shimmering highs with each note sounding tight and well defined. Even when overdriven the notes remain defined with lots of bite.

Tornado	12" Neodymium	4/8/16	100	70-6k	2"	7 oz	P-A-JN12-100TR	164.50
----------------	----------------------	--------	-----	-------	----	------	-----------------------	---------------

Straightforward and powerful with fat lows, throaty mids and crisp, bright highs. It is a true "in your face" Rock n' Roll speaker that can handle the heaviest of playing styles and is designed for loud applications.

Electric Lightning	12" Ceramic	8/16	70	70-6k	2"	50 oz	P-A-JC12-70EL	107.10
---------------------------	--------------------	------	----	-------	----	-------	----------------------	---------------

Vintage Alnico Special Design Reissues

Straightforward, bright tone.

P12R	12" Alnico	8/16	25	60-7k	1"	7 oz	P-A-P12R	\$103.10
-------------	-------------------	------	----	-------	----	------	-----------------	-----------------

Very warm, mid-focused bite with clear bright highs. When presented with overdrive distortion, it remains well balanced.

P12Q	12" Alnico	8/16/32	40	60-5k	1.25"	10.5 oz	P-A-P12Q	121.10
-------------	-------------------	---------	----	-------	-------	---------	-----------------	---------------

Very warm and full bodied tone with powerful mid-bite and sparkling highs. When presented with overdrive distortion, it displays a bright and colorful crunch.

P12N w/ bell	12" Alnico	8/16	50	70-7k	1.5"	29 oz	P-A-P12N	235.85
---------------------	-------------------	------	----	-------	------	-------	-----------------	---------------

P12N no bell	12" Alnico	8/16	50	70-7k	1.5"	29 oz	P-A-P12N-NB	207.95
---------------------	-------------------	------	----	-------	------	-------	--------------------	---------------

Bell Covers

Usage

Bell-R,Q	P8R, P10R, P10Q, P12R, P12Q	P-A-BELL-P-R	\$27.81
Bell-N	P12N, P15N	P-A-BELL-N	34.31
Bell-TR	Tornado 10" and 12"	P-A-BELL-TR	27.81

Vintage Ceramic Special Design Reissues

Warm low and mid response with smooth/bright highs. When presented with overdrive distortion, it presents smooth crunch with low-end focus.

C12R	12" Ceramic	8/16	25	60-10k	1"	10 oz	P-A-C12R	\$47.40
-------------	--------------------	------	----	--------	----	-------	-----------------	----------------

Well rounded, straightforward tone with a lot of mid bite and bright highs.

C12Q	12" Ceramic	8/16	35	60-5k	1.25"	15 oz	P-A-C12Q	\$6.90
-------------	--------------------	------	----	-------	-------	-------	-----------------	---------------

Smooth and straightforward, full bodied tone with high frequency chime. Responds to overdrive distortion with powerful mid bite.

C12N	12" Ceramic	4/8/16	50	70-7k	1.5"	28.5 oz	P-A-C12N	\$1.50
-------------	--------------------	--------	----	-------	------	---------	-----------------	---------------

A real workhorse, heavy on the mids with a solid, straightforward tone. When presented with overdrive distortion it powers through with lows that are bold and heavy.

C12K	12" Ceramic	4/8/16	100	70-7k	2"	50 oz	P-A-C12K	\$107.50
-------------	--------------------	--------	-----	-------	----	-------	-----------------	-----------------

Neos

Smooth and clear. It handles overdrive distortion with a well balanced and detailed tightness.

NEO12-100	12" Neodymium	2/4/8/16	100	70-5k	2"	7 oz	P-A-NEO12-100	\$128.75
------------------	----------------------	----------	-----	-------	----	------	----------------------	-----------------

MOD

Straightforward tone with low end focus. When presented with overdrive distortion, it has a straightforward fuzz voice.

MOD12-35	12" Ceramic	8/16	35	60-5k	1"	10 oz	P-A-MOD12-35	\$43.40
-----------------	--------------------	------	----	-------	----	-------	---------------------	----------------

Warm, well balanced tone with low end focus. It responds to overdrive distortion with a rich smooth crunch and bright lead-voice fuzz.

MOD12-50	12" Ceramic	8/16	50	60-7k	1.25"	15 oz	P-A-MOD12-50	\$9.55
-----------------	--------------------	------	----	-------	-------	-------	---------------------	---------------

Loud, dynamic and well defined. It has a defined warm crunch response to overdrive distortion.

MOD12-70	12" Ceramic	4/8/16	70	60-6k	1.5"	22.5 oz	P-A-MOD12-70	\$4.75
-----------------	--------------------	--------	----	-------	------	---------	---------------------	---------------

Strong, punchy, and articulate with emphasis on the mids. It responds to overdrive distortion with a tight and balanced fuzz that remains strong and straightforward.

MOD12-110	12" Ceramic	8/16	110	70-6k	2"	50 oz	P-A-MOD12-110	\$8.55
------------------	--------------------	------	-----	-------	----	-------	----------------------	---------------

Please specify ohm rating when ordering.





Vintage Alnico Special Design Reissues

Warm, deep low-end and sparkling highs. Responds to overdrive distortion with a bright edge and lengthy sustain.

			Rated Power Ohms (Watts)	Response	Voice Coil Diameter	Magnet Weight		
P15N	15" Alnico	4/8/16	50	60-7k	1.5"	29 oz	P-A-P15N	\$262.00



Vintage Ceramic Special Design Reissues

Tight low-end and clear, bright highs. Responds to overdrive distortion with a gritty edge.

C15N	15" Ceramic	4/8/16	50	60-7k	1.5"	28.5 oz	P-A-C15N	\$118.60
-------------	--------------------	--------	----	-------	------	---------	-----------------	-----------------



Full, boomy low-end with aggressive mids and bright highs. responds to overdrive distortion with a strong rhythm crunch and fuzz lead voice.

C15K	15" Ceramic	8/16	100	60-4k	2"	50 oz	P-A-C15K	\$132.10
-------------	--------------------	------	-----	-------	----	-------	-----------------	-----------------



Neos

Warm, full low-end with clear bright highs. Responds to overdrive distortion with a strong rhythm crunch and smooth bright fuzz lead voice.

NEO15-150	15" Neodymium	4/8/16	150	60-5k	2.5"	7.75 oz	P-A-NEO15-150	\$148.00
------------------	----------------------	--------	-----	-------	------	---------	----------------------	-----------------



Dominant low-end and subtle highs. Responds to overdrive distortion with gritty, crunch rhythm and bass heavy fuzz lead voice.

NEO15-300	15" Neodymium	8	300	60-4k	3"	12.70 oz	P-A-NEO15-300	\$254.30
------------------	----------------------	---	-----	-------	----	----------	----------------------	-----------------



MOD

Full, boomy low-end focus with subtle highs. Responds to overdrive distortion with a gritty edge.

MOD15-120	15" Ceramic	4/8/16	120	50-5k	2"	28.5 oz	P-A-MOD15-120	\$97.95
------------------	--------------------	--------	-----	-------	----	---------	----------------------	----------------

Tight, low-end with clear bright highs. Responds to overdrive distortion with a rhythm crunch and fuzz lead voice.

MOD15-200	15" Ceramic	4/8/16	200	60-4k	2.5"	50 oz	P-A-MOD15-200	\$130.95
------------------	--------------------	--------	-----	-------	------	-------	----------------------	-----------------

Please specify ohm rating when ordering.

Bell Covers & Speaker Gaskets

See page 20 for P15N Bell Covers. See page 27 for 15" Speaker Gaskets.

Premium Lite Bass Series

Neodymium Series, aluminum basket

Size	Ohms	Rated Power (Watts)	Response	Voice Coil Diameter	Magnet Weight		
10"	8/16	250	80 - 3k	2.5"	7.75 oz	P-A-PL10B25S	\$125.95
12"	8	250	70 - 4k	2.5"	7.75 oz	P-A-PL12B25S	139.95
12"	8	350	70 - 5k	3"	12.70 oz	P-A-PL12B3S	221.15
15"	4/8	250	60 - 4k	2.5"	7.75 oz	P-A-PL15B25S	181.95
15"	4/8	350	60 - 4k	3"	12.70 oz	P-A-PL15B3S	265.95

Standard Lite Bass Series

Neodymium Series, steel basket

Size	Ohms	Rated Power (Watts)	Response	Voice Coil Diameter	Magnet Weight		
10"	8	250	80 - 6k	2.5"	7.75 oz	P-A-SL10B25P	\$100.75
12"	8	250	70 - 5k	2.5"	7.75 oz	P-A-SL12B25P	120.35
12"	8	350	70 - 6k	3"	12.70 oz	P-A-SL12B3P	188.95
15"	4/8	350	60 - 4k	3"	12.70 oz	P-A-SL15B3P	229.55

Classic Bass Series

Ceramic Series, steel basket

Size	Ohms	Rated Power (Watts)	Response	Voice Coil Diameter	Magnet Weight		
12"	8	250	70 - 3k	2.5"	50.0 oz	P-A-C12B25P	\$111.95
15"	8	250	60 - 4k	2.5"	50.0 oz	P-A-C15B25P	116.15

Ceramic PA Speakers

Size	Ohms	Program Power (Watts)	Response	Voice Coil Diameter	Magnet Weight		
Similar to Eminence® Gamma 10							
10"	8/16	300	70-6k	2.0"	40 oz	P-A-S10-300	\$75.95
Similar to Eminence® Gamma 12							
12"	8	300	70-6k	2.0"	40 oz	P-A-S12-300	93.95
Similar to Eminence® Delta 15							
15"	8	500	60-4k	2.5"	50 oz	P-A-S15-500	116.15

Neodymium PA Speakers

Size	Ohms	Program Power (Watts)	Response	Voice Coil Diameter	Magnet Weight		
10"	8	700	80-5k	3.0"	12.7 oz	P-A-S10K3	\$242.95
12"	8	700	70-5k	3.0"	12.7 oz	P-A-S12K3	256.95
15"	8	1400	70-4k	4.0"	25 oz	P-A-S15K4	419.95

Drivers and Horns

Size	Ohms	Program Power (Watts)	Response	Magnet Weight		
1" Compression driver	8	32	800-20k	8.6 oz	P-A-SSDR2	\$27.95
1" compression driver	8	40	800-20k	13.4 oz	P-A-SSDR1	45.95
Square Horn (W x H x D)			4.625" x 4.625" x 3"		P-A-SSH2	8.95
Elliptical Horn (W x H x D)			7.8125" x 6.25" x 3.8125"		P-A-SSH1	13.95
Driver & Horn assembled P-A-SSDR1 and P-A-SSH1	8	40	800-20k	13.4 oz	P-A-SSHFD1	58.95

sicaspeakers.com

call 480.820.5411 or fax 800.706.6789/480.820.4643



P-A-PL10B25S



P-A-PL12B25S



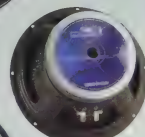
P-A-PL15B25S



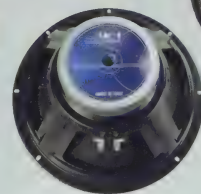
P-A-SL12B3P



P-A-C15B25P



P-A-S10-300



P-A-S12-300



P-A-S15K3



P-A-S15K4



P-A-SSH2



P-A-SSDR1



P-A-SSH1



P-A-SSHFD1



P-A-G10V



P-A-G10M



P-A-G12M



P-A-G12H



P-A-VINT30



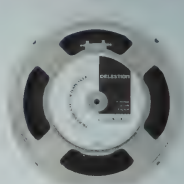
P-A-G12T75



P-A-G1280



P-A-CNTRY



P-A-G12K-100



P-A-TUBE10



P-A-ROCKET-50



P-A-70-80

Classic

Made in China.

Model	Size	Ohms	Rated Power (Watts)	Voice Coil Diameter	Magnet Weight		
G10 Vintage	Celestion's specialized 10" speaker						
	10"	8/16	60	1.75"	31 oz	P-A-G10V	\$95.00
G10M	Greenback						
	10"	8/16	30	1.75"	33 oz	P-A-G10M	125.00
G12M	Greenback						
	12"	8/16	25	1.75"	35 oz	P-A-G12M	125.00
G12H	Anniversary Edition						
	12"	8/16	30	1.75"	50 oz	P-A-G12H	149.00
Vintage 30	Classic vintage tone						
	12"	8/16	60	1.75"	50 oz	P-A-VINT30	145.00
G12T-75							
	12"	8/16	75	1.75"	35 oz	P-A-G12T75	129.00
G12-80	Classic lead						
	12"	8/16	80	1.75"	50 oz	P-A-G1280	149.00
G12 Century	Neodymium						
	12"	8	80	1.75"	4.14 lb	P-A-CNTRY	285.00
(entire unit weight)							
G12K-100							
	12"	8	100	1.75"	50 oz	P-A-G12K-100	125.00

CELESTION

Originals

Made in China.

Model	Size	Ohms	Rated Power (Watts)	Voice Coil Diameter	Magnet Weight		
TUBE 10	10"	8	30	1.5"	17oz	P-A-TUBE10	\$45.00
ROCKET 50	12"	8	50	1.5"	17 oz	P-A-ROCKET-50	55.00
SEVENTY 80	12"	8/16	80	1.75"	31 oz	P-A-70-80	79.00

Please specify ohm rating when ordering.



CELESTION

Alnico

Made in England.

Model	Size	Ohms	Rated Power (Watts)	Voice Coil Diameter	Magnet Weight		
G12 BLUE	12"	8/15	15	1.75"	30 oz	P-A-G12	\$279.00

G12 GOLD	12"	8/15	50	1.75"	33 oz	P-A-G12-GOLD	289.00
-----------------	-----	------	----	-------	-------	---------------------	---------------

Heritage

Made in England.

Model	Size	Ohms	Rated Power (Watts)	Voice Coil Diameter	Magnet Weight		
G12M	12"	8/15	20	1.75"	35 oz	P-A-G12M-HT	\$195.00

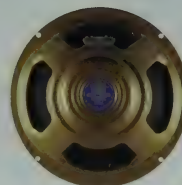
G12H	12"	8/15	30	1.75"	50 oz	P-A-G12H-HT	220.00
-------------	-----	------	----	-------	-------	--------------------	---------------

G12-65	12"	8/15	65	1.75"	35 oz	P-A-G12-65	180.00
---------------	-----	------	----	-------	-------	-------------------	---------------

G12EVH	12"	8/15	20	1.75"	35 oz	P-A-G12-EVH	210.00
---------------	-----	------	----	-------	-------	--------------------	---------------



P-A-G12



P-A-G12-GOLD



P-A-G12-EVH



P-A-G12H-HT



P-A-G12M-HT



P-A-G12-65

Truvox by Celestion

Professional Series - General PA

Model	Size	Ohms	Program Power (Watts)	Voice Coil Diameter	Magnet Weight		
TruVox® 1020	10"	8	300	2.0"	42 oz	P-A-T1020	\$54.00

TruVox® 1218	12"	8	200	1.75"	31 oz	P-A-T1218	51.00
---------------------	-----	---	-----	-------	-------	------------------	--------------

TruVox® 1225	12"	8	500	2.5"	42 oz	P-A-T1225	68.00
---------------------	-----	---	-----	------	-------	------------------	--------------

TruVox® 1225E	12"	8	600	2.5"	50 oz	P-A-T1225E	77.00
----------------------	-----	---	-----	------	-------	-------------------	--------------

TruVox® 1525	15"	8	500	2.5"	42 oz	P-A-T1525	80.00
---------------------	-----	---	-----	------	-------	------------------	--------------

TruVox® 1525E	15"	8	600	2.5"	50 oz	P-A-T1525E	86.00
----------------------	-----	---	-----	------	-------	-------------------	--------------

TruVox® 1530	15"	8	800	3.0"	86 oz	P-A-T1530	110.00
---------------------	-----	---	-----	------	-------	------------------	---------------

TRUVOX

PROFESSIONAL LOUDSPEAKER



P-A-T1020



P-A-T1225



P-A-T1525E

Celestion® Speakers

call 480.820.5411 or fax 800.706.6789/480.820.4643





P-A-BW18-8



P-A-LR18-8



Peavey® Speakers

Model	Size	Ohms	Program Power (Watts)	Response	Part	
Black Widow 1201-8 BW	12"	8	700	60-3.5k	P-A-BW12-8	\$139.95
Black Widow 1501-4 BW	15"	4	700	40-2k	P-A-BW15-4	139.95
Black Widow 1505-8 DT BW	15"	8	700	40-2k	P-A-BW15-8	139.95
Low Rider Subwoofer	15"	8	1600	30-1k	P-A-LR15-8	174.95
Black Widow 1801-8 LT BW	18"	8	700	35-1k	P-A-BW18-8	159.95
Low Rider Subwoofer	18"	8	1600	25-1k	P-A-LR18-8	189.95

Peavey® Drivers

Model		Ohms	Program Power (Watts)	Response	Part	
RX 22	1" high frequency driver	8	120	500-20k	P-A-RX22	\$97.95
44XT	With adapter 2" high frequency compression driver	8	160	500-20k	P-A-44XT-A	299.95
44XT	Without adapter 1.6" high frequency compression driver	8	160	500-20k	P-A-44XT	284.95
14XT	1" throat diameter	8	50	1k-18k	P-A-14XT	49.95
RX 14	1" throat diameter	8	60	1.5k-20k	P-A-RX14	49.95



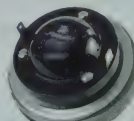
P-A-RX22



P-A-44XT



P-A-44XT-A



P-A-14XT



P-A-RX14

Miscellaneous Replacement Speakers

See the Tech Corner of our website for instructions if replacing electro-dynamic speakers.

Size	Shape	Impedance	Watts	Part	
4"	Square	8	1	P-A600	\$8.95
5"	Round, replacement for Trace Elliot	8	30	P-A-MOD5-30	27.80
6"	Round	4	15	P-A-MOD6-15	21.20
6"	Pin Cushion	8	10	P-A602	8.95
6" x 9"	Oval	4	8	P-A69E8C	12.95
8"	Round	4/8	20	P-A-MOD8-20	23.75
12"	Round, generic guitar	16	100	P-A-SLD12-10016	35.95



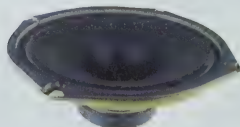
P-A600



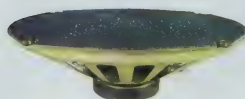
P-A-MOD5-30



P-A-MOD6-15



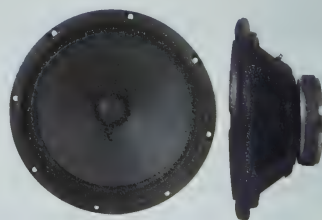
P-A602



P-A69E8C



P-A-MOD8-20



P-A-SLD12-10016

Replacement Baskets for Peavey®

1201-8 BW RB, 8 ohms	P-AB-1201-8	\$70.95
1202N-4 RB, 4 ohms	P-AB-1202N-4	51.95
1203-8 BW RB, 8 ohms	P-AB-1203-8	70.95
1208-4 SPS BW RB, 4 ohms	P-AB-1208-4	70.95
1208-8 SPS BW RB, 8 ohms	P-AB-1208-8	70.95
S 12825 RB Scorpion, 8 ohms	P-AB-S12825	44.95
SP 15425 RB, 4 ohms	P-AB-SP15425-4	54.95
SP 15825 RB, 8 ohms	P-AB-SP15825-8	62.95
1501-4 BW, 4 ohms	P-AB-1501-4	76.95
1502-4 DT RB, 4 ohms	P-AB-1502-4	76.95
1502-8 DT BW RB, 8 ohms	P-AB-1502-8	76.95
1505-8 DT BW RB, 8 ohms	P-AB-1505-8	76.95
1505-8 KA DT BW RB, 8 ohms	P-AB-1505-8-K	76.95
1801-4 LT BW RB, 4 ohms	P-AB-1801-4	90.95
1801-8 BW RB, 8 ohms	P-AB-1801-8	90.95
18" Low Rider, RB, 8 ohms	P-AB-18LR-8	132.95

Magnets

Black Widow	P-AM-BLW	\$76.95
Scorpion	P-AM-SC	51.95

Diaphragms

14XT	P-AD-14XT	\$27.95
22XT+, 22XT	P-AD-22XT-P	38.95
44XT	P-AD-44XT	87.95
CH-90	P-AD-CH90	16.95
RX22	P-AD-RX22	38.95

Speaker Grills

Metal grills have black finish with rubber edge trim.
Mounting brackets sold separately, hardware not included.

10" Grill	P-HSG010	\$5.95
12" Grill	P-HSG012	6.95
15" Grill	P-HSG015	7.95
Mounting Bracket	P-HSGA1	.65

Peavey® Grills & Snaps

10" Grill kit (includes hardware)	P-HSG010-PV	\$8.95
12" Grill kit (includes hardware)	P-HSG012-PV	11.95
15" Grill kit (includes hardware)	P-HSG015-PV	12.95
18" Grill kit (includes hardware)	P-HSG018-PV	19.95
Grill snaps. Set of 4	S-GSNAP	2.95

Speaker Gaskets

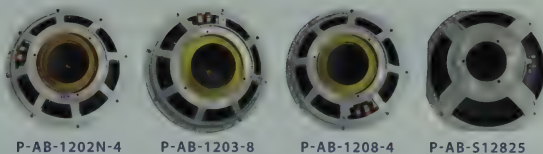
Additional gasket for speakers for proper spacing in Leslie and other cabinets.

12"	P-A-GASKET-12	\$4.00
15"	P-A-GASKET-15	5.00

Speaker Mounting Screws

Package of 4.

1" of #8/32 machine screw thread, 1/4" of #10 reverse wood thread, 1 1/2" overall length.	P-H247	\$2.00
Clip nut for 8/32 thread	P-H249	1.20

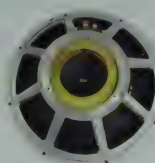


P-AB-1202N-4

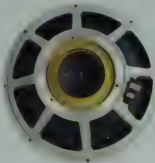
P-AB-1203-8

P-AB-1208-4

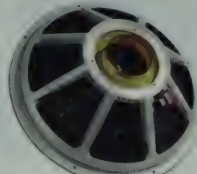
P-AB-S12825



P-AB-1502-8



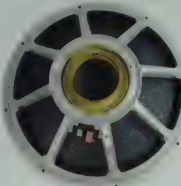
P-AB-1505-8-K



P-AB-1801-4



P-AM-BLW



P-AB-1801-8



P-AB-18LR-8



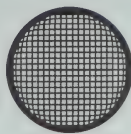
P-AD-22XT-P



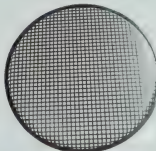
P-AD-CH90



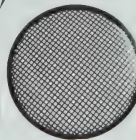
P-AD-RX22

P-HSG010
P-HSG012
P-HSG015

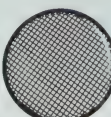
P-HSGA1



P-HSG018-PV



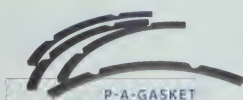
P-HSG015-PV



P-HSG012-PV



P-HSG010-PV



P-A-GASKET



S-GSNAP



P-H247



P-H249



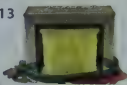
P-T1750C



P-TF2290S



P-TF22913



P-TF49969



P-T1750E



P-T1750H



P-TF41318



P-T1750J



P-TF50438



P-T1750K



P-T1750L



P-TF26478



P-T1750M



P-T1750W



P-TF22921



P-TF24038



P-T1750A

Replacement transformers and chokes for guitar amplifiers. All made to the fully rated original specifications. Excellent drop-in replacements for your amplifier.

Fender® Replacement Output Transformers

Superior output transformers for optimal performance.

Fender® Part Number	Wattage	Primary Imp. (Ohms)	Secondary Imp. (Ohms)	Mounting Centers	Weight		
For Bronco®, Champ®, Vibrochamp® - Made by Hammond							
022905 & 125A35A	5	7000CT	3.2	2.36", vertical	0.65	P-T1750C	\$32.45
For Bronco®, Champ®, Vibrochamp® - Made in USA							
022905 & 125A35A	8	7000CT	3.2	2.375", vertical	0.6	P-TF2290S	24.95
For Princeton Reverb®, Tweed Deluxe® - Made in USA							
125A10B & 022913	12	8000CT	8	2.81", vertical	1.0	P-TF22913	36.95
For Blues Junior™ - Made by Hammond							
049969	15	6950CT	8	2.82", vertical	0.95	P-T1750F	35.80
For Blues Junior™ - Made in USA							
049969	15	6950CT	8	2.81", vertical	0.8	P-TF49969	21.95
For Princeton Reverb, Tweed Deluxe - Made by Hammond							
022913 & 125A10B	15	8000CT	8	2.82", vertical	1.1	P-T1750E	33.65
For Deluxe®, Deluxe Reverb® - Made by Hammond							
125A1A, 041318 & 022640	20	6600CT	8	3.13", vertical	1.65	P-T1750H	33.65
For Deluxe®, Deluxe Reverb® - Made in USA							
125A1A, 041318 & 022640	25	6600CT	8	3.125", vertical	1.6	P-TF41318	34.95
For Bandmaster®, Pro Reverb®, Tremolux®, Vibrolux®, Vibroverb® - Made in USA							
125A6A & 022848	35	4000CT	4	3.56", vertical	2.4	P-TF22848	34.95
For Bandmaster®, Pro Reverb®, Tremolux®, Vibrolux®, Vibroverb® - Made by Hammond							
022848 & 125A6A	35	4000CT	4	3.56", vertical	2.45	P-T1750J	44.85
Original Fender® for Hot Rod Deluxe®							
050438	40	4250CT	4, 8	2" x 2.2", vertical	3.4	P-TF50438	41.50
For Concert®, Super Reverb®, Tweed Bassman® - Made by Hammond							
022855 & 125A9A	50	4000CT	2	3.5" x 2.0", vertical	4.65	P-T1750K	72.85
For Bassman® - Made by Hammond							
022871 & 125A13A	50	4200CT	4	3.5" x 1.9" vertical	4.45	P-T1750L	71.65
For Bassman® - Made in USA							
022871 & 125A13A	50	4200CT	4	3.5" x 1.94", vertical	4.5	P-TF22871	67.50
Vibro King® Reissue, '59 Bassman Reissue - Original Fender®							
036485	50	4150CT	2	3.5" x 2.0", vertical	4.8	P-TF36485	51.95
General for 50 watt amps - Made by Hammond							
125A13A & 022871	50	4200CT	2, 4, 8	3.5" x 2", vertical	4.85	P-T1750M	72.85
Original Fender® for Hot Rod DeVille®							
041754	60	4200CT	2, 4, 8	3.5" x 2", vertical	4.7	P-TF41754	68.95
For Bassman 100®, Dual Showman®, Twin Reverb® - Made by Hammond							
125A29A & 022899	100	2000CT	4	3.5" x 2.31", vertical	5.3	P-T1750W	78.45
For Tone Master - Original Fender®							
026478	100	2350CT	4, 8, 16	3.5" x 2.5", vertical	6.25	P-TF26478	76.95

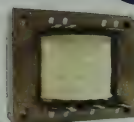
Reverb Driver for Fender® Amps

For All Fender® amps with reverb.

Equivalent	Wattage	Primary Imp. (Ohms)	Secondary Imp. (Ohms)	Mounting Centers	Weight		
022921 & 125A20B - Made in USA	3.5	25000	8	1.75", vertical	0.4	P-TF22921	\$12.95
022921 & 125A20B - Made by Hammond	3.5	22800	8	1.69", vertical	0.40	P-T1750A	15.65
024038 & 047605 for Vibro King	10	5482	8	2.36" vertical	1.05	P-TF24038	47.95
Original Fender®							

Marshall™ Replacement Output Transformers

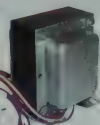
	Wattage	Primary Imp. (Ohms)	Secondary Imp. (Ohms)	Weight		
For JTM 30-O - Marshall™ Original	30	6000CT	8, 16	2.1	P-TMJTM30-O	\$38.95
For JTM 45 - Marshall™ Original	45	7500CT	4, 8, 16	5.2	P-TM45O	77.95
For JTM 45 - Made by Hammond	50	7371CT	4, 8, 16	5.0	P-T1750Q	91.40
For most JMP & JCM 800s - Made in USA	50	3200CT	4, 8, 16	5.0	P-TM050	71.95
For most JMP & JCM 800s - Made by Hammond	50	3200CT	4, 8, 16	5.0	P-T1750N	78.45
For JCM 900 & JCM 2000 - Marshall™ Original	50	3500CT	4, 8, 16	4.5	P-TM950O	77.95
For JCM 900s - Made by Hammond	50	2000CT/500CT	2, 4, 8, 16	4.5	P-T1750P	85.65
For most JMP & JCM 800s - Made in USA	100	1700CT	4, 8, 16	8.0	P-TM0100	77.95
For most JMP & JCM 800s - Made by Hammond	100	1700CT	4, 8, 16	8.0	P-T1750U	89.45
For JCM 900 & JCM 2000 - Marshall™ Original	100	1750CT	4, 8, 16	7.2	P-TM9100O	139.95
For JCM 900 - Made by Hammond	100	2000CT/500CT	2, 4, 8, 16	7.5	P-T1750X	97.60



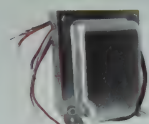
P-TMJM30-O



P-TM45O



P-TM050



P-TM950O

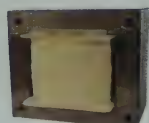
Transformers



P-T1750U



P-T1750P



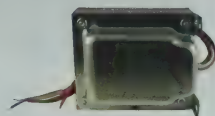
P-T1750X



P-TM9100O



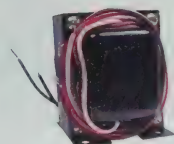
P-T1750Q



P-TM0100

Vox® Output Transformers

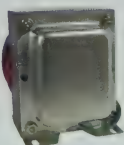
	Wattage	Primary Imp. (Ohms)	Secondary Imp. (Ohms)	Mounting Centers	Weight		
For Vox® AC15 - Made by Hammond	15	6200CT	8	1.87" x 2.26"	3.15	P-T1750Y	\$77.70
For Vox® AC30 reissue - Vox® Original	30	4000CT	8, 16	2.5" x 2.25"	5.4	P-TV030R	116.95
For Vox® AC30 reissue - Made by Hammond	30	4000CT	8, 16	2.5" x 2.4"	5.15	P-T1750T	112.05
For Vox® AC30 vintage - Vox® Original	30	4000CT	8, 16	2.5" x 2.25"	4.8	P-TV030V	109.95
For Vox® AC30 vintage - Made by Hammond	30	4000CT	8, 16	2.5" x 2.4"	5.0	P-T1750V	112.05



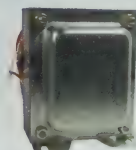
P-T1750Y



P-TV030V



P-T1750T



P-T1750V



P-TV030R



P-T1750G

Output Transformers for Yorkville/Traynor Amps

	Wattage	Primary Imp. (Ohms)	Secondary Imp. (Ohms)	Mounting Centers	Weight		
General replacement - Made by Hammond	50	3800CT	4, 8, 16	2.5" x 2.4"	5.7	P-T1750G	\$118.35
General replacement - Made by Hammond	100	2000CT	4, 8, 16	3.0" x 2.9"	8.1	P-T1750R	152.45

MusicMan Output Transformers

	Wattage	Weight		
Model 8-50, used in RD-50/1650 RD amps - Made in USA	50	2.6	P-TMM8-50	\$51.95



P-TMM8-50



P-T1750R

call 480.820.5411 or fax 800.706.6789/480.820.4643



Fender® Replacement Power Transformers

Made precisely to the original Fender® specifications. Drop-in replacements for vintage and current Fender® reissue amps. 120 volts



P-TF22772



P-TF41316



P-TF22723



P-T290DX



P-TF22814



P-T290FX



P-TF26477



P-TF36483



P-T290AEX



P-T290CEX



Equivalent	Rating	Mounting Centers	Weight	
For stand alone 1963 Fender® Reverb® - Made in USA				
047609	*306VDC @ 27mADC; 6.6V @ 1.05A	2.79" x 3.44", vert.	1.3	P-TF47609 \$25.95
For Champ®, Vibro Champ®, Princeton®, Princeton Reverb®, early Tweed Deluxe® - Made in USA				
022772 & 125P1B	325-0-325V @ 70mA; 6.3V, 2A; 5V, 2A	2" x 2.5", horz.	2.9	P-TF22772 49.95
For Champ®, Vibro Champ®, Princeton®, Princeton Reverb®, Tweed Deluxe® - Made by Hammond				
022772 & 125P1B	325-0-325VAC @ 70ma; 6.3V, 2A; 5V, 2A	2" x 2.5" horz.	2.95	P-T290AX 58.85
For Blues Junior™ - Original Fender®				
049967	*330VDC @ 68mA; 6.6VAC, 2.6A; ±25.8VDC, 34mA	2" x 2.44", horz.	2.6	P-TF49967 50.95
For Deluxe®, Deluxe Reverb® - Made in USA				
041316 & 125P23B	330-0-330VAC @ 120mA (50V tap); 6.3V, 3A; 5V, 3A	2.255" x 2.81", horz.	5.4	P-TF41316 59.95
For Deluxe®, Deluxe Reverb® - Made by Hammond				
041316 & 125P23D	330-0-330VAC @ 120mA (50V tap); 6.3, 3A; 5V, 3A	2.25" x 2.83" horz.	5.35	P-T290BX 67.25
For Vibrolux®, Vibrolux Reverb®, Tremolux® - Made in USA				
022723 & 125P26A	325-0-325VAC @ 180mA (50V tap); 6.3V, 4A; 5V, 3A	2.5" x 3.125", horz.	6.5	P-TF22723 68.95
For Vibrolux®, Vibrolux Reverb®, Tremolux® - Made by Hammond				
022723 & 125P26A	325-0-325VAC @ 180mA (50V tap); 6.3VCT, 4A; 5V, 3A	2.5" x 3.15" horz.	6.8	P-T290CX 71.75
For Hot Rod Deluxe® - Original Fender®				
036958	*440VDC @ 65.7mA; 6.6VAC, 3.75A; -53.6VDC @ 1.58mA	2.5" x 3.125", horz.	4.3	P-TF36958 58.95
For Bandmaster Reverb®, Pro Reverb®, Super Reverb®, Tweed Bassman®, Vibroverb® - Made in USA				
022798 & 125P5D	325-0-325VAC @ 200mA (50V tap); 6.3V, 4A; 5V, 3A	2.75" x 3.47", horz.	7.5	P-TF22798 77.95
For Bandmaster®, Pro Reverb®, Super Reverb®, Tweed Bassman® and Vibroverb® - Made by Hammond				
022798 & 125P5D	325-0-325VAC @ 200mA (50V tap); 5V, 3A, 6.3VCT, 4A	2.75" x 3.44" horz.	7.85	P-T290DX 89.45
For Bandmaster Reverb®, Bassman®, Brown Pro®, Concert® - Made in USA				
022814 & 125P7D	330-0-330VAC @ 240mA (53V tap); 6.3V, 3.15A	2.75" x 3.4", horz.	7.3	P-TF22814 71.95
For Bassman®, Concert®, Pro® - Made by Hammond				
022814 & 125P7D	330-0-330VAC, 240mA (53V tap); 6.5V, 3.15A	2.77" x 3.45" horz.	7.65	P-T290EX 72.85
For Bassman 100®, Dual Showman®, late Showman®, Twin Reverb® - Made by Hammond				
022756 & 125P34A	320-0-320VAC @ 450mA (60V tap); 6.5V, 5.5A	3.75" x 3", horz.	11.45	P-T290FX 82.40
For Hot Rod DeVille® - Original Fender®				
041752	*450VDC @ 270mA; 6.3VAC, 3.75A; -72.2VDC @ 1.5mA or -33.4VDC @ 59mA	3.44" x 2.63", vert.	7.4	P-TF41752 89.95
For Tone Master® - Original Fender®				
026477	175-0-175V; 56V; 6.85V	3" x 4.1" vert.	14.80	P-TF26477 159.95
For Vibro King® - Original Fender®				
026554	175-0-175V; 56V; 6.83V	3" x 4.2" vert.	15.15	P-TF26554 103.95
For '59 Bassman® Reissue - Original Fender®				
036483	374-0-374V; 58V; 5.2V; 6.9V	2.8" x 3.4" horz.	8.5	P-TF36483 89.95

*DC Voltages are after rectification

Replacement Power Transformers for Fender® - 240 Volt Primary

240 Volts for Europe. Made in Canada by Hammond

Equivalent		
For Champ®, Vibro Champ®, Princeton®, Princeton Reverb®		
022772 & 125P1B	See P-T290AX (above) for specs	P-T290AEX \$70.60
For Deluxe®, Deluxe Reverb®		
041316 & 125P23D	See P-T290BX (above) for specs	P-T290BEX 80.70
For Vibrolux®, Vibrolux Reverb®, Tremolux®		
022723 & 125P26A	See P-T290CX (above) for specs	P-T290CEX 86.10
For Bandmaster®, Pro Reverb®, Super Reverb®, Tweed Bassman® and Vibroverb®		
022798 & 125P5D	See P-T290DX (above) for specs	P-T290DEX 107.35
For Bassman®, Concert®, Pro®		
022814 & 125P7D	See P-T290EX (above) for specs	P-T290EEX 87.40
For Bassman 100®, Dual Showman®, and Twin Reverb®		
022756 & 125P34A	See P-T290FX (above) for specs	P-T290FEX 98.90

Marshall™ Replacement Power Transformers

	Weight (lbs)		
For JTM 30 - Original Marshall™	3.2	P-TMJTM30-P	\$64.95
For JTM 45 - Original Marshall™	7.3	P-TM45P	108.95
For JTM 45 - Made by Hammond	7.2	P-T290LX	140.05
For JMP/JCM 800, 50 watts - Made in USA	8.6	P-TM-P50	86.95
For JMP/JCM 800, 50 watts - Made by Hammond	8.8	P-T290GX	100.85
For JCM 900, 50 watts - Original Marshall™	7.3	P-TM950P	97.95
For JCM 900, 50 watts - Made by Hammond	7.2	P-T290KX	126.15
For JMP/JCM 800, 100 watts - Made in USA	8.4	P-TM-P100	88.95
For JMP/JCM 800, 100 watts - Made by Hammond	8.9	P-T290HX	106.45
For JCM 900, 100 watts - Made by Hammond	7.3	P-T290JX	141.15
For JCM 900, 100 watts - Original Marshall™	8.0	P-TM9100P	149.95

Vox® Power Transformers

	Primary Voltage (VAC)	Weight (lbs)		
AC15 - Original Vox®	120/240	4.6	P-TVP15	\$109.95
AC15 - Made by Hammond	120/240	4.6	P-T290PX	84.05
AC30 reissue - Original Vox®	120/240	5.4	P-TVP30R	106.95
AC30 reissue - Made by Hammond	120/240	7.0	P-T290MX	89.65
AC30 vintage - Made by Hammond	100/120/220/230/240	10.5	P-T290NX	144.55

Marshall™ Replacement Chokes

	Mounting Centers	Weight (lbs)		
For JCM 800 - Original Marshall™	1.75" x 1.5"	1.5	P-TM800-C	\$38.95
For JCM 800 - Made in USA	1.75" x 1.56"	1.8	P-TM800-C-CE	22.95
For JCM 800 - Made by Hammond	2.86" x 2.78"	2.3	P-C194C	33.45

Vox® Replacement Chokes

	Mounting Centers	Weight (lbs)		
For AC30 reissue - Original Vox®	1.88" x 1.81"	2.3	P-TVC30R	\$31.95
For AC30 reissue, 5 H, 150 mA(DC) - Made by Hammond	1.75" x 1.40"	1.5	P-C194D	44.75
For AC30 vintage - Original Vox®	3.56"	2.5	P-TVC30V	84.95
For AC30 vintage, 40 H, 100 mA(DC) - Made by Hammond	3.53"	2.4	P-C194E	44.75

Fender® Replacement Chokes

Made precisely to the original Fender® specs. Drop-in replacements for Original Fender® and current Fender® reissue amps.

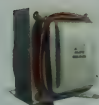
Equivalent	DC Current	Mounting Centers	Weight (lbs)		
For Deluxe® and Vibrolux®, Reverb units, late Tremolux® - Made in USA					
125C3A, 022707	50 mA	2", vertical	0.4	P-CF22707	\$12.95
For Fender® Deluxe®, Vibrolux®, stand alone reverbs, late Tremolux®, 4 Henries - Made by Hammond					
022707, 125C3A	50 mA	1.97", vertical	0.4	P-C194A	15.65
For Twin®, Super®, Dual Showman®, Bandmaster®, Bassman®, Concert®, Pro® - Made in USA					
125C1A, 022699	90 mA	2.875", vertical	1.0	P-CF22699	12.95
For Fender® Bandmaster®, Bassman®, Concert®, Dual Showman®, Pro Reverb®, Super Reverb®, Twin Reverb®, 4 Henries - Made by Hammond					
022699, 125C1A	90 mA	2.81", vertical	1.0	P-C194B	16.80



P-TMJTM30-P



P-TM45P



P-TM-P50



P-TM950P



P-TM-P100



P-T290GX



P-TM9100P



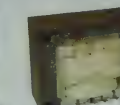
P-T290JX



P-T290KX



P-T290HX



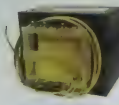
P-TVP15



P-T290NX



P-T290LX



P-T290MX



P-TVP30R



P-T290PX



P-TM800-C



P-TM800-C-CE



P-TVC30R



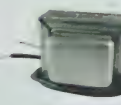
P-TVP30V



P-C194D



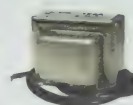
P-C194E



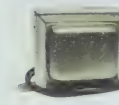
P-CF22707



P-CF22699



P-C194A



P-C194B

call 480.820.5411 or fax 800.706.6789/480.820.4643





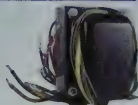
Hammond Output - Classic Tube

All specifications shown are at full rated power. All include multiple interleaved windings to maximize high frequency response and all (except for the 1650G) include Ultra-Linear taps at the 40% point. High-grade laminations (M6) and high quality copper wire are used.

Suggested Tube Types

The examples of possible combinations are to help you narrow down the choices of transformers for your favorite tube type. How you operate the tubes (push-pull, push-pull parallel, ultra-linear, etc) will change the optimum plate to plate load impedance.

A tube manual or technical data sheet should be consulted before choosing an output transformer.



P-T1608



P-T1609



P-T1615



P-T1650E



P-T1620



P-T1650F



P-T1645



P-T1650G



P-T1650K



P-T1650N



P-T1650P



P-T1650R



P-T1650T



P-T1650W



P-T1650H

1600 Series Push-Pull

Enclosed (shielded), 4 slot, above chassis Type "X" mounting. Frequency response 30 Hz to 30kHz at full rated power (± 1 dB max. ref. 1kHz) minimum. All units have secondary impedance of 4/8/16 ohms. Flexible 8" leads.

Watts	Primary Imp. (ohms)	Mounting Centers	Weight (lbs)	Suggested Tube Types		
10	8,000CT	2" x 1.69", vert	2.5	6AQ5, 6V6, 6BQ5/EL84	P-T1608	\$47.85
10	10,000CT	2" x 1.69", vert	2.5	6AQ5, 6V6, 6BQ5/EL84	P-T1609	47.85
15	5,000CT	2" x 2.19", vert	3.3	2A3, 6A3, 6AQ5, 6B4G, 6L6, 6V6	P-T1615	53.50
15	8,000CT	2" x 2.5", vert	4.0	6AQ5, 6V6, 6BQ5/EL84	P-T1650E †	78.60
20	6,600CT	2" x 2.44", vert	3.5	6AQ5, 6L6, 6V6	P-T1620	54.90
25	7,600CT	2" x 2.44", vert	4.0	6L6GC, 6V6, 807, 5881, EL34	P-T1650F	71.80
30	5,000CT	2" x 2.69", vert	4.5	6L6GC, 6V6, 807, 5881, EL34	P-T1645*	71.80
35	6,600CT	2.5" x 2.25", vert	4.6	6L6GC, 6V6, 807, 5881, EL34	P-T1650G** †	78.20
40	6,600CT	2.5 x 2.69", vert	6.5	6L6GC, 807, 5881, EL34	P-T1650H	109.95
50	3,400CT	2.5 x 2.69", vert	7.0	6L6GC, 807, 5881, EL34, 6146B, 6550	P-T1650K	115.85
60	4,300CT	2.5 x 2.94", vert	8.0	6L6GC, 807, 5881, EL34, 6146B, 6550, KT88	P-T1650N	103.70
60	6,600CT	2.5 x 2.94", vert	8.0	6L6GC, 807, 5881, EL34, 6146B, 6550, KT88	P-T1650P	103.70
100	5,000CT	3" x 3.06", vert	12.0	807, 5881, EL34, 6146B, 6550, KT88	P-T1650R	107.70
120	1,900CT	3" x 3.31", vert	14.0	6L6GC, 5881, EL34, 6550, KT88	P-T1650T	125.15
280	1,900CT	3.5" x 5.88", vert	28.0	6L6GC, 5881, EL34, 6550, KT88	P-T1650W	239.30

*70V secondary winding in addition to the 4, 8, 16

** Additional secondary tap for 250 and 500 ohms

† Easy wire secondary

Rotary Impedance Selector

Hammond 1600 series transformers all provide secondary impedances of 4, 8, or 16 ohms but due to the unique wiring of the secondary, the impedance cannot be changed without rewiring... until now. We now offer a selector switch, pre-wired and complete with 1/4" output jack. Follow simple instructions provided to wire transformer secondary to switch, mount switch and 1/4" jack in separate 3/8" diameter holes in chassis and you'll easily be able to select output impedance as necessary.

To work with regular 1600 series except 1650E & 1650G

P-H1600 \$14.95

To work with Hammond 1650E, 1650G and other "easy wire secondary" series transformers

P-H1600-A 14.95

1600 Series Single Ended

Enclosed (shielded), 4 slot, above chassis Type "X" mounting. Frequency response at least 20 Hz to 20 kHz at full rated power (± 1 dB max. ref. 1kHz) minimum. All units are 30 watts, have mounting centers of 3.81" x 3", secondary impedances of 4/8/16 ohms, and weigh 11 lbs. Flexible 8" leads.

Primary Imp. (ohms)	Max D.C. Bias	Suggested Triodes	Suggested Pentodes		
2,500	160 mA	2A3, 6A3, 6B4G, 300B	6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84	P-T1627SEA	\$129.10
5,000	120 mA	211, 300B, 572B, 811A	6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	P-T1628SEA	129.10
6,500	100 mA	211, 811A, 572B, 845	6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	P-T1629SEA	129.10
1,250	200 mA	Parallel - 2A3, 6A3, 6B4G, 300B, 572B, 811A	Parallel - 6550, 6CA7	P-T1640SEA	129.10

P-T1628SEA

P-T1629SEA

P-T1640SEA

**Universal Output**

Multi-tap transformers have tables provided to choose pre-calculated impedance ratios. Secondary impedances from 1.5 to 15 ohms. Leads on primary, solder lugs on secondary. U-bracket mounting. For single or push-pull applications.

Manufacturer	Output Watts	Primary Z Ohms	Mounting Centers	Weight (lbs)		
Hammond	3	1200 - 25,000	1.75"	0.2	P-T125A	\$39.90
Hammond	8	1200 - 25,000	2.38"	0.5	P-T125C	29.10
AES	8	4000 - 10,000	2.375"	0.6	P-T291	17.95
Hammond	15	1200 - 25,000	3.13"	1.6	P-T125E	37.60

Universal Single Ended Tube Output

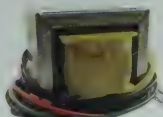
Primary impedance range: 2.5k - 10kΩ

Secondary impedance range: 4 - 32Ω

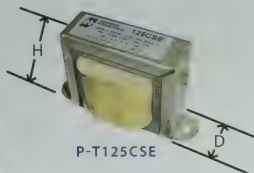
Audio Watts	Max. D.C. Bias	Depth x Height	Mounting Centers	Weight (lbs)		
3	25mA	1.4" x 1.7"	2.38"	0.5	P-T125ASE	\$49.65
5	45mA	1.6" x 2.0"	2.81"	1.1	P-T125BSE	50.45
8	60mA	1.9" x 2.3"	3.13"	1.3	P-T125CSE	42.60
10	70mA	2.1" x 2.6"	3.56"	2.0	P-T125DSE	49.30
15	80mA	2.4" x 2.9"	4.0"	3.0	P-T125ESE	55.05
20	90mA	2.5" x 3.2"	3.13" x 2.25"	4.5	P-T125FSE	74.95
25	100mA	2.9" x 3.5"	3.45" x 2.5"	6.0	P-T125GSE	89.45



P-T125ASE



P-T125BSE



P-T125CSE



P-T125DSE



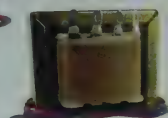
P-T125FSE



P-T124D



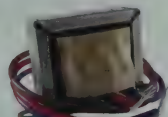
P-T125GSE



P-T291



P-T125ESE



P-T125A



P-T125C



P-T125E

Audio Interstage

Push-Pull plate to push-pull grids (25 max DC bias) (5W)

Single ended or push-pull, center-tapped secondary (5W)

Equivalent to Stancor A53-C. 1:3 ratio overall. Center tapped secondary may be used for push-pull grids

Coil assembly only for above (P-T156). Use your own iron to preserve mechanical fit. Coil window is 1/2" x 1/2"

Multi-purpose, center-tapped primary. Center-tapped secondary providing 1:1.5/1:3/1:6 ratio (5W)

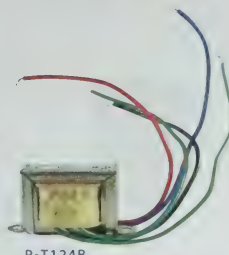
5K primary approx. (3W)

Frequency response = 100Hz to 15KHz

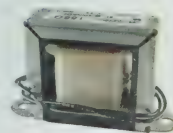
* 49% nickel laminations for greater fidelity

**AES manufacture, NOT Hammond

	Primary to Secondary Impedance (ohms)	Mounting Centers	Weight (lbs)		
	7,000 - 15,800	2.38"	0.6	P-T124D	\$25.30
	10,000 - 90,000	2.0"	0.4	P-T124B*	33.75
	10,000 - 90,000	2.0"	0.4	P-T156**	16.95
			0.07	P-T431**	14.75
	15,000 - 135,000	2.38"	1.0	P-T124E	32.40
	3.2 ohm secondary	2.0"	0.4	P-TA-8037	5.95



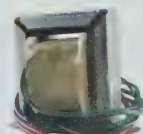
P-T124B



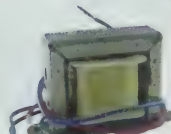
P-T156



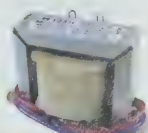
P-T431



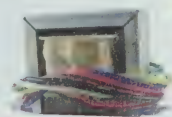
P-T124E



P-TA-8037



P-T125H



P-T125J

Multiple Impedance Audio Matching

Designed for general purpose or replacement use in push-pull output circuits.

Frequency response 150 Hz to 15KHz

Output Watts	Primary Z Ohms	Secondary Z Ohms	Mounting Centers	Weight (lbs)		
8	10K CT	2, 4, 8	2.38" u-bracket	0.6	P-T125H	\$26.85
8	2.5K or 4K CT	6/8 or 3.2/4	2.81" u-bracket	1.0	P-T125J	22.60

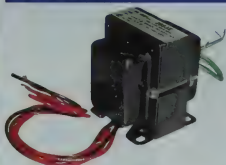
NOTE: It is important that every receiver be carefully checked before a burned out transformer is replaced. Too often, some other defect, such as a tube, electrolytic condenser, or a partial circuit short has caused the original burnout and the replacement transformer is also ruined before the real cause is found and remedied!!!

Power

115 Volt primary, 50/60 Hz. Provided with color-coded leads.

Rating			Mounting Centers	Weight (lbs)		
100-0-100V	100 mA	5 V, 2A	1.5" x 1.56" vertical	1.4	P-T263AX	\$43.10
125V	15 mA	12.6 V, .3A	2", U-bracket	0.7	P-T442*	14.95
125-0-125V	100 mA	6.3 V, 2A	1.75" x 1.44", vertical	1.6	P-T269AX	42.20
190-0-190	65 mA	6.3 V, 2.5A	1.75" x 1.56", vertical	1.8	P-T269EX	40.20
250-0-250V	60 mA	6.3 V, 2.5A	1.75" x 1.56", vertical	1.8	P-T269JX	43.40
250-0-250V	70 mA	5V, 2A 6.3 VCT, 2.5A	2" x 2.06", vertical	3.2	P-T270CAX	52.95
250-0-250V	100 mA	5 V, 2A 6.3 V, 3A	2" x 2", vertical	3.2	P-T270CBX	75.45
260-0-260V	90 mA	6.3 V, 3.5A	2" x 2.19", vertical	3.4	P-T270DAX	51.10
260-0-260V	90 mA	6.3 V, 3.5A	2.25" x 2.88", horizontal	3.8	P-T270DAZ	52.20
275-0-275V	50 mA	5V, 2A 6.3 V, 2A	2" x 1.69", vertical	2.2	P-T270BX	47.35
275-0-275V	65 mA	6.3 V, .6A 6.3 V, 2.5A	2" x 1.69", vertical	2.4	P-T270CX	51.20
275-0-275V	90 mA	5 V, 2A 6.3 V, 3A	2" x 1.94", vertical	2.8	P-T270DX	53.05
275-0-275V	125 mA	5V, 3A 6.3 V, 4A	2" x 2.69", vertical	4.2	P-T270EX	58.15
275-0-275V	150 mA	5 V, 3A 6.3 VCT, 5A	2.5 x 2.19", vertical	4.6	P-T270FX	61.85
275-0-275V	200 mA	5VCT, 3A 6.3 VCT, 6A	2.5 x 2.69", vertical	5.8	P-T270HX	78.65
300-0-300V	100 mA	5 V, 2A 6.3 V, 3A	2" x 2.19", vertical	3.2	P-T272BX	55.50
300-0-300V	125 mA	5 V, 3A 6.3 V, 4A	2" x 2.69", vertical	3.0	P-T272DX	61.70
300-0-300V	150 mA	5VCT, 3A 6.3 VCT, 5A	2.5" x 2.19", vertical	4.6	P-T272FX	71.15
300-0-300V	200 mA	5VCT, 3A 6.3 VCT, 6A	2.5" x 2.69", vertical	6.2	P-T272HX	79.80
300-0-300V	250 mA	5VCT, 4A 6.3 VCT, 8A	3" x 2.81", vertical	7.8	P-T272JX	85.25
310-0-310V	70 mA	5 V, 2A 6.3 V, 2.4A	2" x 1.94", vertical	2.9	P-T272X	54.95
325-0-325V	40 mA	5 V, 2A 6.3 VCT, 2A	2" x 2.5", horizontal	2.4	P-T273AZ	57.60
325-0-325V	150 mA	5 V, 3A 6.3 VCT, 5A	2.5" x 2.12", horizontal	5.4	P-T273CZ	89.45
350-0-350V	90 mA	5 V, 2A 6.3 VCT, 3A	2.25" x 2.81", horizontal	4.6	P-T273DX	73.85
350-0-350V	175 mA	5 V, 3A 6.3 VCT, 5A	2.5" x 2.69", vertical	5.8	P-T273BX	73.40
350-0-350V	90 mA	5 V, 2A 6.3 VCT, 3A	2.25" x 2.44", vertical	4.6	P-T273DX	73.85
360-0-360V	120 mA	5 V, 3A 6.3 VCT, 3.5A	2.5" x 2.38", vertical	5.4	P-T274AX	68.10
375-0-375V	175 mA	5VCT, 3A 6.3 VCT, 6A	2.5" x 2.69", vertical	6.2	P-T274BX	78.95
400-0-400V	200 mA	5VCT, 3A 6.3 VCT, 6A	2.5" x 2.69", vertical	7.0	P-T278X	99.00
400-0-400V	465 mA	6.3 VCT, 6A	3" x 3.81", vertical	12.4	P-T278CX	105.55
425-0-425V	150 mA	5 VCT, 3A 6.3 VCT, 5A	2.5" x 2.69", vertical	6.0	P-T279X	90.00
500-0-500V	20 mA	5 VCT, 3A 6.3 VCT, 6A	3" x 3.31", vertical	9.4	P-T282X	107.75

* AES Manufacture; Not Hammond Manufacture.



P-T269JX



P-T270CAX



P-T270DAX



P-T270DAZ



P-T270BX



P-T270CX



P-T270DX



P-T270EX



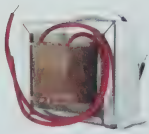
P-T270FX



P-T270HX



P-T169SS



P-TN-51X



P-T169VS



P-T171B



P-T171A

Line Isolation

Electrostatic shield between primary and secondary

Manufacturer	VA Rating	Mounting Centers	Weight (lbs)	
Triad	35	3.125, U-bracket	1.8	P-TN-51X \$21.95
Hammond	90	2" x 2.19", vertical	3.4	P-T169SS 46.45
Hammond	175	2.5" x 2.69", vertical	6.0	P-T169VS 54.15

115 volt primary, 60 Hz, 115 volt secondary 60Hz, must be hard wired.

Hammond	100	3" x 3.88"	7.2	P-T171A \$77.45
Hammond	200	3" x 3.88"	9.4	P-T171B 93.70

115 volt primary, 50/60 Hz, 115 volt secondary 50/60 Hz, vertical mounting with line cord, circuit breaker in primary

Classic 300 Series Power

Picks up where the 200 series leaves off! High quality, high voltage! "World Power," with primary voltages of 100, 110, 120, 200, 220, 240 V @ 50/60 Hz. All have a secondary bias tap at 50 VAC. Concentric wound for low stray field and low noise. Hipot tested to 2500 VAC. Epoxy painted to match 1650 series output transformers. The P-T300BX is designed specifically for 300B's, the P-T302AX is designed specifically for 2A3s.

VA	Rating			Mounting Centers	Weight (lbs)		
40	125-0-125V	100mA	6.3VCT, 2A	2" x 1.69" vertical	2.4	P-T369AX	\$61.90
119	180-0-180V	250mA	5VCT, 3A	2.5" x 2.44" vertical	5.2	P-T363CX	92.85
45	190-0-190V	65mA	6.3VCT, 2.5A	2" x 1.69" vertical	2.6	P-T369EX	58.80
55	275-0-275V	50mA	5VCT, 2A	2" x 1.94" vertical	3.0	P-T370BX	69.65
142	275-0-275V	150mA	5VCT, 3A	2.5" x 2.94" vertical	6.0	P-T370FX	92.85
180	275-0-275V	200mA	5VCT, 3A	2.5" x 2.94" vertical	6.8	P-T370HX	117.60
98	300-0-300V	100mA	5VCT, 2A	2.5" x 2.19" vertical	4.4	P-T372BX	82.00
150	300-0-300V	150mA	5VCT, 3A	2.5" x 2.94" vertical	6.2	P-T372FX	105.25
198	300-0-300V	200mA	2.5VCT, 2.5A	5VCT, 3A	6.3VCT, 6A	3" x 2.81" vertical	8.0
243	300-0-300V	250mA	5VCT, 4A	6.3VCT, 8A	3" x 3.31" vertical	10.0	P-T372JX
187	350-0-350V	175mA	5VCT, 3A	6.3VCT, 5A	3" x 2.81" vertical	6.1	P-T373BX
200	375-0-375V	175mA	5VCT, 3A	6.3VCT, 6A	3" x 2.81" vertical	7.8	P-T374BX
273	400-0-400V	200mA	5VCT, 3A	6.3VCT, 6A	3" x 3.06" vertical	8.8	P-T378X
280	400-0-400V	250mA	5VCT, 1.2A	5VCT, 3A	6.3VCT, 6A	3" x 3.81" vertical	11.8
465	400-0-400V	465mA	6.3VCT, 6A	3.5" x 4" vertical	17.6	P-T378CX	157.85

* 4th filament = 2.5VCT, 2.5A



P-T370FX



P-T370HX

Transformers

Special Power

With 2.5v Filament Windings (120v 60Hz Primary)

This transformer has been custom manufactured to provide the replacement needs for early '30s radios. It will work in most 6 and 7 tube sets. Vertical mounting shells, with the leads coming out one side so that horizontal mounting may be used. Provides a separate filament winding for audio output stages but both 2.5V windings can be paralleled for the combined current rating.

Rating	Mounting Centers	Weight (lbs)		
350-0-350V 70-90mA* 5V, 3A 2.5V, 7.5A 2.5VCT, 3.5A	2" x 2.625"	4.2	P-T143	\$69.95

* Will provide 90mA if 5V winding is used with 2A rectifier



P-T143

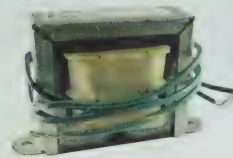
Filament

115 VAC Primary, 50/60 Hz. Open style, channel bracket, 2-hole chassis mount.

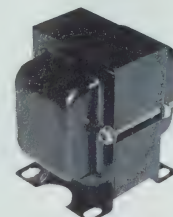
If you require 117/234 V operation we can special order the 266 series for you.

Rating	Mounting Centers	Weight (lbs)		
2.5VCT, 2.5A	2.38"	0.7	P-T166L2	\$18.30
2.5VCT, 3A	2.38"	0.6	P-T166M2	13.30
2.5VCT, 6A	2.81"	1.0	P-T166Q2	18.30
2.5VCT, 10A	3.13"	1.6	P-T166S2	19.95
5.0VCT, 2A	2.38"	0.8	P-T166L5	16.65
5.0VCT, 8A	1.75" x 1.44"	1.6	P-T167R5*	32.95
5.0VCT, 3A	2.81"	1.0	P-T166M5	16.65
5.0VCT, 3A	1.5" x 1.31"	1.1	P-T167M5	24.65
5.0VCT, 8A	4.0"	3.4	P-T166R5	26.60
6.3VCT, 2A	2.38"	0.8	P-T166L6	16.65
6.3VCT, 4A	2.81"	1.0	P-T166N6	13.30
6.3VCT, 6A	3.13"	1.4	P-T166Q6	24.95
6.3VCT, 10A	3.56"	2.2	P-T166S6	34.90
6.3VCT, 10A	1.69" x 2.0"	2.5	P-T167S6	36.50
6.3VCT, 16A	2.0" x 2.19"	3.4	P-T167U6*	40.90
10.0VCT, 4A	3.13"	1.5	P-T166N10	26.60
10.0VCT, 10A	2.0" x 2.19"	3.4	P-T167S10*	40.70
12.6VCT, 2.5A	1.5" x 1.56"	1.4	P-T167L12*	25.25
12.6VCT, 4A	3.13"	1.8	P-T166N12	19.95
120VCT, 0.5A	2.0" x 1.69"	2.5	P-T167G120	18.20
200VCT, 0.87A	2.5" x 2.44"	5.6	P-T167H200	50.80

* Enclosed style 4 hole chassis mount.



P-T166Q6



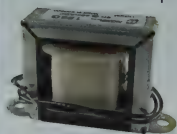
P-T167L12

call 480.820.5411 or fax 800.706.6789/480.820.4643

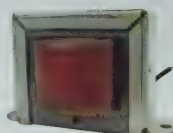




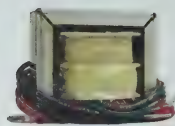
P-T155B

P-T156G
U-FRAME

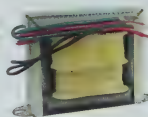
P-T193H

P-T193Q
VERTICAL MOUNT

P-TC-7X



P-T261C6



P-T261M6



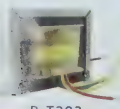
P-T262F6



P-T262E6



P-T31



P-T292

Filter Chokes

Henry Rating	DC Current (mA)	Max. VDC	Resistance in ohms	Mounting Centers	Weight (lbs)		
6 mH	2000	400	0.3	2" u-frame	0.4	P-T155B	\$12.50
60 mH	2000	500	0.7	3.56" u-frame	3.56	P-T159ZC	25.85
0.05	2000	300	0.7	2" x 1.69"	2.5	P-T193T	29.30
1	300	400	40	2.81" u-frame	1.5	P-T158T	20.05
1.5	200	400	56	2.38" u-frame	0.7	P-T156R	14.30
2	100	300	175	1.75" u-frame	0.3	P-T154M	11.80
2.5	300	500	43	3.56" u-frame	2.25	P-T159T	26.05
2.6	300	800	21	2" x 2.19"	3.25	P-T193K	43.90
4	225	500	65	3.56" u-frame	2.3	P-T159S	26.00
5	50	400	270	2" u-frame	0.4	P-T155H	14.35
5	150	400	105	2.81" u-frame	1.3	P-T158Q	21.10
5	200	600	65	2" x 1.69" vertical	2.5	P-T193H	30.30
5	300	800	57	2.5" x 2.44" vertical	5.5	P-T193L	37.50
5	500	800	26	3" x 3.31"	10.3	P-T193P	87.80
7	150	500	100	3.56" u-frame	2.3	P-T159Q	26.45
8	150	600	75	2" x 2.19" vertical	3.4	P-T193D	36.55
9	40	300	700	1.75" u-frame	0.2	P-T154G	12.40
9	40	400	300	2.38" u-frame	0.6	P-T156G	13.90
10	65	400	205	2.81" u-frame	1.0	P-T157J	23.10
10	90	400	270	2.81" u-frame	1.4	P-TC-7X*	14.95
10	100	400	195	2.81" u-frame	1.2	P-T158M	20.85
10	125	500	155	3.56" u-frame	2.2	P-T159P	26.75
10	150	800	102	2.5" x 1.94" vertical	3.8	P-T193G	53.85
10	200	800	82	2.5" x 2.44" vertical	5.4	P-T193J	50.45
10	300	800	63	3" x 3.31" vertical	10.0	P-T193M	61.65
10	500	1000	53	3" x 4.31" vertical	14.6	P-T193Q	82.00
12	100	600	155	2" x 1.69" vertical	2.4	P-T193B	30.25
15	30	400	1026	2" u-frame	0.3	P-T155J	14.80
15	75	400	411	2.81" u-frame	1.2	P-T158L	21.00
15	100	500	256	3.56" u-frame	2.4	P-T159M	26.75
20	20	300	1666	1.75" u-frame	0.2	P-T154E	13.00
20	100	600	181	2" x 2.19" vertical	2.8	P-T193C	36.60
30	40	400	595	2.81" u-frame	1.0	P-T157G	24.10
60	8	400	2750	2" u-frame	0.4	P-T155C	13.90
150	8	400	3700	2.38" u-frame	0.6	P-T156C	15.10

* Not Hammond™ Manufactured

Low Power Plate & Filament or Bias

Primary 115 VAC, 60 Hz. Designed for small power or bias supplies, test equipment, preamps etc. Models 261C6 and 261G6 can also be used with full wave C.T. rectifiers. Economical, 2-hole (.187") u-bracket, chassis mount. Minimum 5" long leads. Convenient 6.3 volt filament/auxiliary winding.

VA Rating	A.C. Secondary #1 RMS	A.C. Filament Sec. #2 RMS	Mounting Centers	Weight (lbs)		
17.5	250V C.T. @ 45 mA	6.3V @ 1A	2.81"	1.0	P-T261C6	\$37.75
45	250V C.T. @ 130 mA	6.3V @ 2A	3.56"	2.0	P-T261G6	37.10
83	215V @ 269 mA	6.3V @ 4A	4"	4.0	P-T261M6	70.75
18	120V @ 87 mA	6.3V @ 1.2A	2.81"	1.3	P-T262E6	25.25
26	120V @ 140 mA	6.3V @ 1.5A	3.13"	1.7	P-T262F6	27.50
15	5V @ 3A	2.5V @ 6A	2.81"	1.1	P-T266M5	24.95

Miscellaneous

Mfg.	Type	Power	Primary	Secondary	Response	Mounting Centers	Weight (lbs)		
AES	Output	8W	5K ohm single-ended	8 ohm	100Hz-18KHz	2.375" u-bracket	0.6	P-T31	\$13.95
AES	Power	120V		140V @ 100mA 28V @ 20mA 10.5V @ 2 amps		3.563"	2.2	P-T292	19.95

Radiola Replacement

Developed in response to requests from RCA Radiola III-A collectors. The original transformers are usually found with "open" windings due to the fine wire and high turns used, coupled with age. This is a universal replacement type - it will replace any of the three audio transformers used (1st audio driver, second audio - phase splitter stage or output transformer), by correctly connecting the 5 lugs. A pin out and connection diagram is included. The cases from the old transformer will fit this new unit. The terminal board is a duplicate of the original.

Primary: 4,000 turns; #41 wire (lugs 4 & 2); **Secondary:** 12,000 turns C.T., #41 wire (lugs 5 & 1, lug 3 is C.T. connection); **Termination:** Solder lugs on a 1 3/4" x 1" terminal board with 4-5" connecting leads

Size: 1 1/8" long x 1 1/8" wide x 1 3/8" deep; **Lamination Core Size:** 5/8" x 1/2"; **Weight:** 7 oz

P-T118944

\$39.00



P-T118944

Collins Replacement

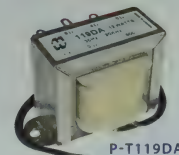
Built in response to requests from the "Collins Collectors Association"

Isolation Unit: (i.e. separate primary and secondary); **Primary:** 600 ohm (with 6" wire leads); **Secondary:** 8 ohm with 4 ohm center tap (with solder lugs); **Power:** Rated at 12 watts; **Frequency Response:** 30 Hz - 20 kHz

Mounting: 2-hole U-bracket mount on 2.8125" mounting centers; **Weight:** 1.3 lbs

P-T119DA

\$24.30



P-T119DA

R.F. Chokes

3 section windings on ferrite forms approximately 1 1/4" long by 5/8" over windings. With axial leads 1 1/2" long. 5% tolerance.

Inductance	Resistance	Max. DC Current		
2.5 mH	9 ohms	160 mA	P-C1535B	\$4.30
5.0 mH	14 ohms	160 mA	P-C1535D	4.50
10.0 mH	31 ohms	100 mA	P-C1535G	4.90
25.0 mH	82 ohms	65 mA	P-C1535J	5.05
250 mH	0.17 ohms	2.5 mA	P-C1536X*	1.70

* Hash choke, heavy duty



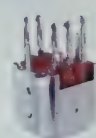
P-C1535B



P-C1536X



P-C208B



P-C208R

I.F. Transformers for Transistor Radios

Red cap- detector	455 kHz	P-C208R	\$0.50
Blue cap- mixer	455 kHz	P-C208B	.75

Universal Replacement Coils

Will replace broadcast band coils in any tube type radio. Adjustable inductance for perfect tracking. Mount on bus wire leads or in 5/8" hole. Coils are similar to Miller numbers that correspond.

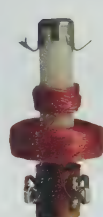
Antenna Coil	P-C70-A	\$8.95
Oscillator Coil	P-C70-OSC	8.95
R.F. Coil	P-C70-RF	8.95



P-C73



P-C70-A



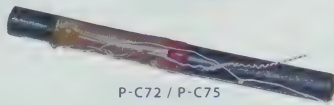
P-C70-RF



P-C70-OSC

Antenna Coils

230 μH, 4 1/4" x 1 1/2", Ferrite	P-C72	\$2.95
250 μH, 3 1/2" x 3/2", Ferrite	P-C73	2.95
650 μH, 4 1/8" x 1 1/2", Ferrite	P-C75	2.95



P-C72 / P-C75

Oscillator Coils

3 lug, 225 μH	P-C76	\$1.95
3 lug, 142 μH	P-C78	1.95



P-C76 / P-C78



P-FR1

Ferrite Rods

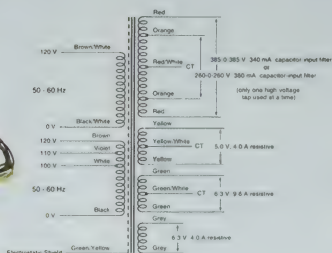
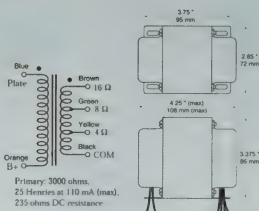
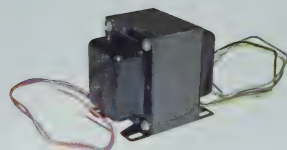
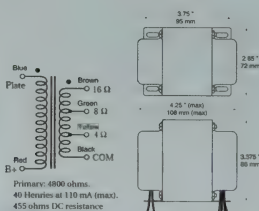
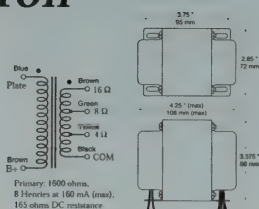
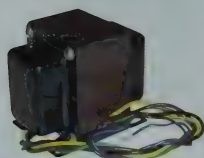
Rods are made of 61 Ferrite material, and have a broadcast band of 640KC to 1650KC.

.375" ± 0.020" diameter x 5.00" ± 0.100" long	P-FR1	\$9.95
.375" ± 0.020" diameter x 7.50" ± 0.150" long	P-FR2	10.95

call 480.820.5411 or fax 800.706.6789/480.820.4643



Collins, RF Chokes & Coils

**Single Ended Output & Power Transformers**

All Designs by John Atwood

For complete specifications, please visit
www.one-electron.com/trans.html**Single Ended Output**

The UBT-1 is a low-impedance single-ended transformer intended for parallel combinations of tubes running at B+ voltages of 250 to 325 volts, such as: two or three EL34s (triode-connected), three 2A3s, two 300Bs, two 6AS7s etc., as well as single sweep tubes run in "enhanced-triode" mode, resulting in 10 to 15 watts of output power. The UBT-1's low impedance gives an exceptionally broad frequency range of 10Hz to over 75kHz (at 1 watt). This transformer has been the basis for excellent-sounding single-ended amps, and is notable for its clean, detailed sound. 6.1 lbs

P-TUBT-1 \$99.95**Single Ended Output**

The UBT-2 is the same size and power (15 watts) as the UBT-1, but has a higher primary impedance suitable for single tubes running at B+ voltages of 400 to 500 volts, such as: 50, WE 300B, 572-3, etc. The trade-off of a higher impedance transformer is worse bandwidth, but additional interleaving was added in the UBT-2 to extend the frequency range from 10Hz to over 55kHz (at 1 watt). The UBT-2 has also been successfully used as a choke load for shunt-feed output stages. Plate supply voltages over 600 volts are not recommended. 6.1 lbs

P-TUBT-2 \$109.95**Single Ended Output**

The UBT-3 is the same size and power (15 watts) as the UBT-1 but has a primary impedance suitable for single or paralleled tubes running at B+ voltages of 300 to 400, such as: 2A3, WE 300B, 50 etc. The frequency response is from 10Hz to over 60kHz (at 1 watt). The 3K primary impedance offers lower distortion at only slightly less power in designs using the commonly-specified 2.5K transformers. 6.1 lbs

P-TUBT-3 \$109.95**Power**

The BFT-1B was designed to power a stereo amplifier using UBT-1s in each channel but will also power an 80 watt push-pull tube amplifier. The BFT-1B is slightly larger than earlier versions of the BFT-1, allowing lower flux density and cooler operation. The tapped high-voltage windings and three filament windings provide flexibility in design. An electrostatic shield between the primaries and secondaries reduces power-line noise coupling. The primary arrangements allows use on virtually any power grid in the world. Overall dimensions: 4.5" x 3.75" x 5.875", 11.4 x 9.5 x 14.9 cm. 16 lbs

P-TBFT-1B \$169.95**Audio Chokes**

The PRC-1 and PRC-2 audio chokes were designed for shunt-feed single-ended output applications, but are also useful where quality inductive loads are needed or as high-quality filter chokes. They have the same overall dimensions and use the same high-quality M6 laminations as the UBT transformers. Each have two identical windings, allowing series and parallel combinations:

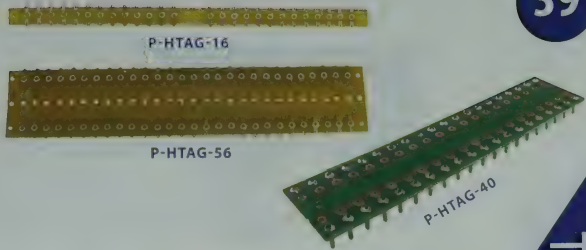
Type	Connection	Inductance	DC Current	Resistance	Impedance
PRC-1	Parallel	5.5H	230 mA	32	1K
	Series	22H	115 mA	128	4K
PRC-2	Parallel	12H	150 mA	76	2.3K
	Series	48H	75 mA	304	9K

The table shows the maximum recommended load impedances when used as a shunt-feed choke. As with traditional class-A triode amplifiers, the driving impedance is about 1/2 the load impedance. The recommended load impedances are based on a -1dB response at 20Hz; for better low frequency response, use a choke with higher recommended load (higher inductance). 6.0 lbs

P-RC-1 \$69.95**P-RC-2 69.95**

Tag Boards

300mm x 16mm, 26 tags	P-HTAG-16	\$3.95
300mm x 56mm, 2 x 27 tags - while supplies last	P-HTAG-54	7.95
300mm x 56mm, 2 x 28 tags	P-HTAG-56	8.95
200mm x 45mm, 2 x 20 turrets	P-HTAG-40	8.95

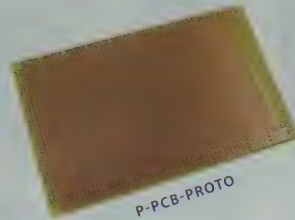


Tag Boards & Terminal Strips

Printed Circuit Boards

General purpose boards used by electronic technicians, engineers and hobbyists to build electronic circuit prototypes. Pre-cut 6-hole and 2-hole solder strip pattern and drilled holes on 0.1" centers.

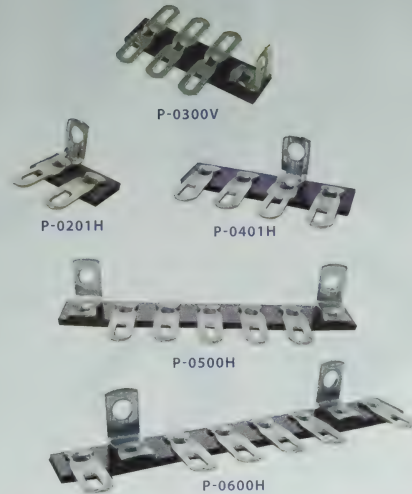
6.3" x 3.9", 100mm x 16mm, 6 hole pattern	P-PCB-PROTO	\$8.95
Fits Hammond 1590B enclosure, 2 hole pattern	P-PCB-1590B	3.95
Fits Hammond 1590BB enclosure, 2 hole pattern	P-PCB-1590BB	4.95



Terminal Strips

Standard size terminal strips, 1/16" thick bakelite, tin plated steel solder lugs and brackets on 3/16" centers. Sold in bags of 5.

Solder Lug Style		
2 lug 1 ground	P-0201H	\$2.25
2 lug 1 ground, first lug common	P-0201H01	2.25
3 lug 0 ground vertical mount	P-0300V	4.00
3 lug 1 ground	P-0301H	2.50
3 lug 1 ground, first lug common	P-0301H01	2.50
3 lug 1 ground, third lug common	P-0301H03	2.50
4 lug 1 ground	P-0401H	3.00
4 lug 1 ground, first lug common	P-0401H01	3.25
4 lug 1 ground, third lug common	P-0401H03	3.00
5 lug 0 ground	P-0500H	3.25
5 lug 1 ground	P-0501H	3.25
5 lug 1 ground, first lug common	P-0501H01	3.25
5 lug 1 ground, fifth lug common	P-0501H05	3.25
6 lug 0 ground	P-0600H	4.00
6 lug 1 ground, second lug common	P-0601H02	4.00
6 lug 2 ground	P-0602H	4.00
7 lug 2 ground	P-0702H	4.00
8 lug 2 ground	P-0802H	4.25



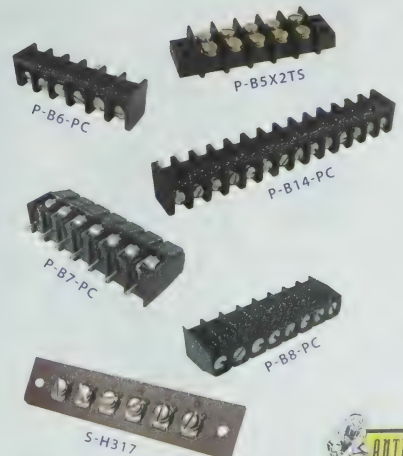
Barrier Type Terminal Strips

Slotted lug mount, 2 screws/terminal, slotted pan head screws.

Description	Terminal Width	W x L x H	Mounting Centers	Screw Size		
2 terminal	7/16"	1 3/16" x 2 1/16" x 1 1/16"	1/2" x 1 1/16"	#8	P-B2X2TS	\$1.95
5 terminal	3/16"	7/8" x 2 1/2" x 7/16"	3/16" x 2 1/4"	#4	P-B5X2TS	1.95
6 terminal	3/16"	7/8" x 2 1/16" x 7/16"	3/16" x 2 5/8"	#4	P-B6X2TS	1.95
6 contacts	-	7/8" x 4"	3 1/2"	#8	S-H317	.25
7 terminal	3/16"	7/8" x 3 3/16" x 7/16"	3/16" x 3"	#4	P-B7X2TS	1.95

C Mount, 1 screw/terminal, slotted pan head screws.

3 terminal	3/8"	9/16" x 1 1/8" x 3/4"	3/8" btw. leads	#6	P-B3-PC	\$0.75
5 terminal	1/4"	5/8" x 1 1/16" x 1/2"	5/16" btw. leads	#4	P-B5L-PC	.75
6 screw	3/8"	1 3/16" x 2 1/16" x 1 1/16"	7/16" btw. leads	#8	P-B6-PC	.75
14 terminal	3/16"	9/16" x 3 3/16" x 1/2"	1/4" btw. leads	#2	P-B14-PC	1.95
7 screw	3/16"	3/8" x 1 7/16" x 1/2"	3/16" btw. leads	-	P-B7-PC	.75
8 screw	3/16"	3/8" x 1 5/8" x 1/2"	3/16" btw. leads	-	P-B8-PC	.75
32 terminal	3/16"	9/16" x 8 1/16" x 1/2"	1/4" btw. leads	#2	P-B32-PC	1.95



call 480.820.5411 or fax 800.706.6789/480.820.4643

FP Type Capacitors

High voltage, electrolytic can capacitors, also known as "twist-lock" or "FP" capacitors combine the convenience of multi-section design with easy mounting. With the original FP capacitor manufacturing equipment, (much of it built by Mallory, the inventor of the FP type), CE Manufacturing LLC produces a quality product made in the USA.



C-EC40X4-350



C-EC20-10-10-10



C-EC20-10-10-10



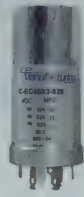
C-EC30-30-30-10



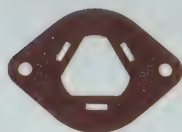
C-EC40-20-20



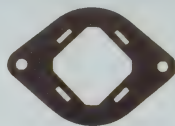
C-EC20X3-525



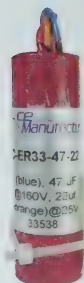
C-EC40X3-525



S-H121



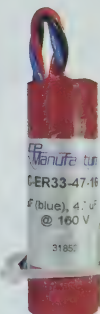
S-H120



C-ER33-47-22



C-ER33-47-160



C-ER33-47-160



C-ER47-80-160

Capacitance (µF) @ Volts	Diameter x Length		
40/40/40/40 @ 350	1 3/8" x 2 1/2"	C-EC40X4-350	\$34.95
50/50/50/50 @ 350	1 3/8" x 2 1/2"	C-EC50X4-350	34.95
20/20 @ 450	1" x 2 1/2"	C-EC20-20-450	27.95
20/10/10/10 @ 450	1 3/8" x 2"	C-EC20-10-10-10	32.95
20/20/20/20 @ 475	1 3/8" x 2"	C-EC20X4-475	30.95
30/30/30/10 @ 475	1 3/8" x 2 1/2"	C-EC30-30-30-10	32.95
100/100 @ 500	1 3/8" x 4"	C-EC100-100-500	34.95
40/20/20 @ 500	1 3/8" x 2 1/2"	C-EC40-20-20	29.95
20/20/20 @ 525	1 3/8" x 3"	C-EC20X3-525	32.95
30/20/20/20 @ 525	1 3/8" x 3 1/2"	C-EC30-20X3-525	33.95
30/30/30 @ 525	1 3/8" x 3"	C-EC30X3-525	32.95
40/40/20/20 @ 525	1 3/8" x 3"	C-EC4020X2-525	34.95
40/20/20/20 @ 525	1 3/8" x 2 1/2"	C-EC40-20X3-525	34.95
40/40/40 @ 525	1 3/8" x 3"	C-EC40X3-525	34.95
80/40/30/20 @ 525	1 3/8" x 3 1/2"	C-EC80-40-30-20	34.95

Twist Mount Can Mounting Plate

Phenolic insulator or metal plate for mounting FP type can capacitors.

Diameter Mounting Centers

Three Twist Mount

Insulator	1"	1 1/2"	S-H121	\$1.50
Metal plate	1"	1 1/2"	S-H121M	1.75

Four Twist Mount

Insulator	1 3/8"	1 3/8"	S-H120	1.50
Metal plate	1 3/8"	1 3/8"	S-H120M	1.75

Multi & Single Section Tubular Electrolytics

Capacitance (µF) @ Volts	Diameter x Length		
33/47 @ 160	5/8" x 2 3/4"	C-ER33-47-160	\$6.95
33-47 @ 160, 22 @ 25	5/8" x 2 3/4"	C-ER33-47-22	8.95
33/33/47 @ 160	1" x 3 3/8"	C-ER33-33-47	8.95
33/47/47 @ 160	1" x 3 3/8"	C-ER33-47-47	8.95
47/47 @ 160	5/8" x 2 3/4"	C-ER47-47-160	6.95
47/80 @ 160	1" x 3 3/8"	C-ER47-80-160	8.50
10/10 @ 450	5/8" x 2 3/4"	C-ET10-10	8.50
16 @ 800, 900 surge	1 1/8" x 4 1/4"	C-ET16-800	10.95
25 @ 800, 900 surge	1 1/8" x 4 1/4"	C-ET25-800	12.25

Replacement for LCR Capacitors

Made in Taiwan. High quality. Clamp required.

Capacitance (μF) @ Volts	Diameter x Length		
32/32 @ 500	1 3/8" x 2 1/4"	C-EC32-32-500CE	\$6.95
50/50 @ 500	1 3/8" x 2 1/4"	C-EC50-50-500CE	7.95

JJ Capacitors

Great for use in Marshall™ amplifiers. Clamp Required. See below.

Single Section

Capacitance (μF) @ Volts	Diameter x Length		
47 @ 385	7/8" x 1 1/16"	C-EC47-385	\$5.95
100 @ 385	7/8" x 1 1/16"	C-EC100-385	7.25
220 @ 385	1 3/16" x 2"	C-EC220-385*	7.75
350 @ 385	1 3/8" x 2 1/8"	C-EC350-385	9.75
550 @ 385	1 3/8" x 2 3/4"	C-EC550-385	11.95
800 @ 385	1 3/8" x 3 1/2"	C-EC800-385	13.95
250 @ 500	1 3/8" x 2 1/16"	C-EC250-500	10.95
500 @ 500	1 3/8" x 3 1/2"	C-EC500-500	14.95

Multi-Section

Capacitance (μF) @ Volts	Diameter x Length		
32/32 @ 500	1 3/8" x 2"	C-EC32-32-500	\$8.50
50/50 @ 500	1 3/8" x 2 1/8"	C-EC50-50-500	8.75
100/100 @ 500	1 3/8" x 2 3/4"	C-EC100X2-500	11.75
40/20/20/20 @ 500	1 3/8" x 2 1/8"	C-EC40-20X3-500**	14.95

* PC Mount, no clamp required ** Can use S-H128 mounting clamp

F & T High Grade Multi-Section Electrolytic Can Capacitors

Made in Germany. Clamp required.

Capacitance (μF) @ Volts	Diameter x Length		
16/16 @ 450	1 3/8" x 2"	C-EC16-16-450FT	\$9.95
32/32 @ 500	1 3/8" x 2"	C-EC32-32-500FT	9.95
50/50 @ 500	1 3/8" x 2"	C-EC50-50-500FT	9.95
100/100 @ 500	1 3/8" x 2"	C-EC100X2-500FT	18.95

Can Capacitor Mounting Clamps

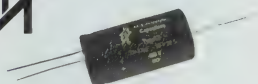
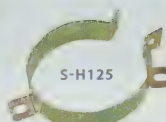
Clamp for mounting electrolytic capacitor cans in vertical position. Supplied with #6-32 screw and nut except S-H125.

1" diameter	S-H123	\$1.75
1 3/8" diameter	S-H122	1.65
1 1/2" diameter	S-H128	1.75
1 3/4" diameter	S-H124	1.95
2" diameter	S-H125	1.95

F & T Multi-Section Capacitor

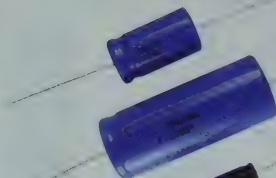
Made in Germany.

Capacitance (μF) @ Volts	Diameter x Length		
25/25 @ 25	1" x 2"	C-EM25-25-25	\$7.95
8/8 @ 450, Used in Vox® AC30	1" x 1 1/2"	C-EM8-8-450	7.95
33/33 @ 450	1" x 2"	C-EM33-33-450	9.95



call 480.820.5411 or fax 800.706.6789/480.820.4643

Capacitors



1000 100V
F&T

33 160V
F&T

100 350V
F&T

16 475V
F&T



Sprague Atom® Electrolytics

Low current leakage, long shelf life. Ideal for application in guitar amps, musical equipment, TV sets, auto radios, radio-phono combinations, and electronic testing equipment.

Capacitance (μF)	Diameter x Length		
25 Volts			
25	.25" x .50"	C-SA25-25	\$1.60
250	.38" x .94"	C-SA250-25	2.75
50 Volts			
25	.25" x .68"	C-SA25-50	1.55
50	.31" x .81"	C-SA50-50	1.70
100 Volts			
100	.44" x 1.50"	C-SA100-100	2.75
150 Volts			
8	.38" x .81"	C-SA8-150	1.95
10	.38" x .81"	C-SA10-150	2.05
350 Volts			
100	1.0" x 2.63"	C-SA100-350	8.95
450 Volts			
8	.50" x 1.75"	C-SA8-450	2.85
80	1.0" x 2.63"	C-SA80-450	7.95
100	1.25" x 3.125"	C-SA100-450	9.95
475 Volts			
16	.88" x 1.63"	C-SA16-475	6.25
500 Volts			
10	.75" x 1.69"	C-SA10-500	5.95
20	.88" x 2.25"	C-SA20-500	6.45
30	1.0" x 1.63"	C-SA30-500	9.95
40	1.0" x 2.38"	C-SA40-500	8.95
600 Volts			
20	1.0" x 3.87"	C-SA20-600	12.95

F & T Axial Lead Electrolytics

Made in Germany.

Capacitance (μF)	Diameter x Length		
100 Volts			
100	.41" x 1.21"	C-ET100-100-FT	\$1.95
160 Volts			
33	.48" x 1.21"	C-ET33-160-FT	1.80
300 Volts			
220	.99" x 1.95"	C-ET220-300-FT	7.95
350 Volts			
100	.99" x 1.48"	C-ET100-350-FT	6.95
450 Volts			
80	.99" x 1.96"	C-ET80-450-FT	6.95
100	.99" x 1.96"	C-ET100-450-FT	8.95
475 Volts			
16	.64" x 1.55"	C-ET16-475-FT	4.95
500 Volts			
10	.71" x 1.54"	C-ET10-500-FT	4.85
22	.72" x 1.55"	C-ET22-500-FT	4.45
30	.99" x 1.48"	C-ET30-500-FT	6.25
47	.84" x 1.42"	C-ET47-500-FT	7.85

Peavey® Axial Lead Capacitors

Capacitance (μF) @ Volts

4700 @ 55

C-PV4700-55-A

\$5.95

Illinois Axial Lead Electrolytics

Low leakage tubular electrolytic capacitors. Rated for 85°C operation. Tolerance -20%, +50%.

Capacitance (μF) @ Volts	Diameter x Length		
100 @ 100	.40" x 1.20"	C-ET100-100-IL	\$1.30
4.7 @ 160	.33" x .67"	C-ET4D7-160-IL	1.95
220 @ 300	1.03" x 1.97"	C-ET220-300-IL	5.25
10 @ 350	.50" x 1.04"	C-ET10-350-IL	1.95
100 @ 350	.72" x 1.54"	C-ET100-350-IL	3.90
80 @ 450	.72" x 1.98"	C-ET80-450-IL	4.65
100 @ 450	.88" x 1.99"	C-ET100-450-IL	4.75
10 @ 500	.64" x 1.25"	C-ET10-500-IL	3.55
22 @ 500	.64" x 1.53"	C-ET22-500-IL	3.50
47 @ 500	.88" x 2.01"	C-ET47-500-IL	5.65

Axial Lead Electrolytics

High quality low leakage tubular electrolytic capacitors. Rated for 85°C operation.

Tolerance -20%, +50%.

Capacitance (μF) @ Volts	Diameter x Length		
4700 @ 16	.64" x 1.31"	C-ET4700-16	\$1.75
47 @ 35	.26" x .60"	C-ET47-35	.56
10 @ 50	.25" x .52	C-ET10-50	.25
22 @ 50	.26" x .58"	C-ET22-50	.25
33 @ 50	.26" x .55"	C-ET33-50	.25
47 @ 50	.25" x .57"	C-ET47-50	.25
220 @ 50	.41" x .70"	C-ET220-50	.50
10 @ 160	.33" x .67"	C-ET10-160	.55
22 @ 160	.41" x .84"	C-ET22-160	.90
33 @ 160	.41" x .84"	C-ET33-160	1.35
47 @ 160	.52" x .86"	C-ET47-160	1.20
100 @ 160	.52" x 1.25"	C-ET100-160	1.60
220 @ 160	.72" x 1.65"	C-ET220-160	3.00
47 @ 250	.52" x 1.02"	C-ET47-250	2.19
4.7 @ 350	.40" x .83"	C-ET4D7-350	.98
22 @ 350	.64" x 1.05"	C-ET22-350	1.50
33 @ 350	.64" x 1.38"	C-ET33-350	2.19
47 @ 350	.64" x 1.32"	C-ET47-350	2.80
100 @ 350	.71" x 1.61"	C-ET100-350	2.45
220 @ 350	.88" x 1.69"	C-ET220-350	4.40
4.7 @ 450	.50" x .88"	C-ET4D7-450	1.40
10 @ 450	.52" x 1.04"	C-ET10-450	1.40
22 @ 450	.65" x 1.13"	C-ET22-450	2.20
22 @ 450, 105°C	.64" x 1.61"	C-ET22-450-105*	2.50
33 @ 450	.64" x 1.27"	C-ET33-450	3.10
47 @ 450	.72" x 1.37"	C-ET47-450	3.60
100 @ 450	.88" x 1.68"	C-ET100-450	4.20

* While Supplies Last

Capacitor Set

Six axial lead electrolytics each of:

22@50 22@160 33@160 100@160
22@450 33@450 47@450 100@450

C-ETKIT

\$92.90

Capacitors

Arrows point to
negative end
of cap



call 480.820.5411 or fax 800.706.6789/480.820.4643





SBE

Capacitors

All 600 VDC Orange Drop Caps are rated at 200 VAC@60Hz RMS; all 1600 VDC caps are rated at 475 VAC @ 60Hz RMS.

SBE 715P "Orange Drop" Capacitors

Rated for 85°C operation. Straight radial leads with minimum 1¼" length. Polypropylene Film ± 5% tolerance.

600 Volts

Capacitance (μF)	Height x Length		1-9	10+
.001	.36" x .65"	C-RD001-600	\$0.55	\$0.50
.0022	.28" x .61"	C-RD0022-600	.66	.60
.0033	.30" x .67"	C-RD0033-600	.66	.60
.0047	.30" x .63"	C-RD0047-600	.55	.50
.0056	.33" x .66"	C-RD0056-600	.61	.55
.01	.35" x .85"	C-RD01-600	.76	.69
.015	.38" x .81"	C-RD015-600	.66	.60
.022	.47" x .86"	C-RD022-600	.87	.79
.033	.40" x 1.13"	C-RD033-600	.97	.88
.047	.46" x 1.14"	C-RD047-600	.97	.88
.1	.68" x 1.18"	C-RD1-600	1.16	1.05
.22	.80" x 1.54"	C-RD22-600	1.93	1.75

400 Volts

.47	.78" x 1.55"	C-RD47-400	1.93	1.75
-----	--------------	------------	------	------

Polypropylene film, ± 10% tolerance

Good replacement for auto buffer caps.

1600 Volts

.0039	.35" x 1.13"	C-SD0039-1600	.95	.75
.0047	.41" x 1.16"	C-SD0047-1600	1.05	.95
.005	.45" x 1.20"	C-SD005-1600	1.05	.95
.0068	.37" x 1.15"	C-SD0068-1600	1.17	1.06
.01	.48" x 1.19"	C-SD01-1600	1.32	1.20
.02	.52" x 1.55"	C-SD02-1600	1.76	1.60
.05	.70" x 1.57"	C-SD05-1600	2.42	2.20

SBE 716P High Performance "Orange Drop" Capacitors

High performance version of the popular 715P series. They are made from polypropylene film and foil with pure copper leads. Rated for 85°C operation. ±5% tolerance. Straight radial leads with minimum 1¼" length.

400 Volt

Capacitance (μF)	Height x Length		1-9	10+
.0047	.27" x .62"	C-PD0047-400	\$0.97	\$0.88
.01	.35" x .63"	C-PD01-400	.99	.90
.022	.40" x .81"	C-PD022-400	1.25	1.14
.033	.42" x .83"	C-PD033-400	1.29	1.17
.047	.53" x .86"	C-PD047-400	1.33	1.21
.1	.57" x 1.17"	C-PD1-400	1.58	1.44
.22	.75" x 1.15"	C-PD22-400	2.02	1.84
.47	.93" x 1.55"	C-PD47-400	2.15	1.95

600 Volt

.001	.41" x .63"	C-PD001-600	\$0.77	\$0.70
.0022	.39" x .65"	C-PD0022-600	.83	.75
.0033	.37" x .61"	C-PD0033-600	.72	.65
.0047	.40" x .64"	C-PD0047-600	.83	.75
.01	.45" x .64"	C-PD01-600	.88	.80
.015	.51" x .85"	C-PD015-600	.99	.90
.022	.56" x .85"	C-PD022-600	1.08	.98
.033	.64" x .86"	C-PD033-600	1.21	1.10
.047	.62" x 1.19"	C-PD047-600	1.31	1.05
.1	.82" x 1.18"	C-PD1-600	1.84	1.48
.22	.95" x 1.56"	C-PD22-600	2.36	1.89

Orange Drop Capacitor Kit

72 pieces total, this kit contains 6 of each of the following values in Type PS and Type 715P: .0033, .0056, .01, .022, .047, .1μF. You save over purchasing each of these individually, plus you get a handy organizer complete with labels.

C-RS1

\$59.95

How to Read Orange Drop Capacitors

Need to determine the value of an Orange Drop cap? Use the code below to determine it's value.

SBE6PS-P22 = Manufacturer Part Number

224 = capacitance in pico farads 1st two digits are significant digits, 3rd digit is number of digits that follow,

i.e.: 22 + 0000 = 220,000 pF = .22μF

K = tolerance, **F** = 1%, **J** = 5%, **K** = 10%

600V = voltage rating

0844 = date code, i.e.: 44th week of 2008

See our web site tubesandmore.com in the Tech Tips section for more information on capacitors.

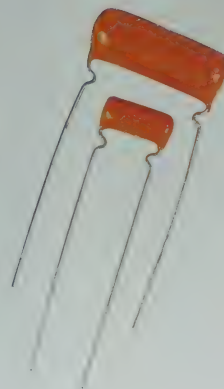


Capacitors

SBE Type PS "Orange Drop" Capacitors

Polyester film, 600 Volt, ± 10% tolerance. Radial Leads.

Capacitance (μF)	Height x Length		1-9	10+
.0012	.33" x .70"	C-SD0012-600	\$0.55	\$0.50
.002	.33" x .70"	C-SD002-600	.66	.60
.003	.35" x .70"	C-SD003-600	.66	.60
.004	.38" x .70"	C-SD004-600	.66	.60
.005	.33" x .66"	C-SD005-600	.58	.53
.0068	.40" x .70"	C-SD0068-600	.61	.55
.0082	.34" x .84"	C-SD0082-600	.76	.69
.01	.40" x .90"	C-SD01-600	.76	.69
.015	.40" x .90"	C-SD015-600	.83	.75
.02	.45" x .90"	C-SD02-600	.87	.79
.03	.45" x 1.20"	C-SD03-600	1.21	1.09
.04	.55" x 1.20"	C-SD04-600	1.25	1.13
.05	.55" x 1.20"	C-SD05-600	1.33	1.20
.06	.60" x 1.20"	C-SD06-600	1.33	1.20
.082	.65" x 1.20"	C-SD082-600	1.45	1.31
.1	.65" x 1.20"	C-SD1-600	1.42	1.28
.2	.80" x 1.60"	C-SD2-600	2.88	2.59
.22	.66" x 1.47"	C-SD22-600	2.95	2.65
.25	.80" x 1.60"	C-SD25-600	2.99	2.69



Xicon®

Great small polypropylene coupling capacitors. Radial Leads. 630 Volt.

Capacitance (μF)	Height x Length		1-9	10+
.001	.29" x .48"	C-XPD001-630	\$0.48	\$0.43
.0022	.32" x .47"	C-XPD0022-630	.48	.43
.0047	.38" x .48"	C-XPD0047-630	.48	.43
.01	.34" x .50"	C-XPD01-630	.48	.43
.022	.41" x .48"	C-XPD022-630	.52	.47
.047	.43" x .69"	C-XPD047-630	.72	.65
.1	.54" x .89"	C-XPD1-630	.80	.72
.22	.67" x 1.18"	C-XPD22-630	1.10	.99
.47	.66" x 1.18"	C-XPD47-630	1.98	1.78



Basic Coupling Capacitors

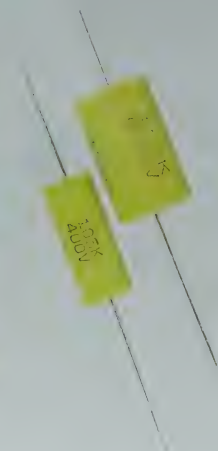
Great small polypropylene coupling capacitors. +/- 10% tolerance, radial leads. 630 Volt.

Capacitance (μF)	Height x Length		1-9	10+
.001	.29" x .47"	C-LD001-630	\$.34	\$0.31
.0022	.31" x .48"	C-LD0022-630	.34	.31
.0047	.40" x .49"	C-LD0047-630	.34	.31
.01	.36" x .46"	C-LD01-630	.34	.31
.022	.43" x .46"	C-LD022-630	.36	.32
.047	.38" x .67"	C-LD047-630	.50	.45
.1	.45" x .67"	C-LD1-630	.56	.51
.22	.54" x .94"	C-LD22-630	.77	.69
.47	.66" x .95"	C-LD47-630	1.39	1.25



call 480.820.5411 or fax 800.706.6789/480.820.4643





Metallized Polyester Tubular

Tolerance $\pm 10\%$, non-inductive, self healing windings, axial leads.

400 Volt

Capacitance (μF)	Diameter x Length		1-9	10+
.01	.22" x .55"	C-TD01-400	\$0.38	\$0.34
.015	.21" x .56"	C-TD015-400	.38	.34
.022	.22" x .55"	C-TD022-400	.38	.34
.033	.24" x .55"	C-TD033-400	.42	.38
.047	.28" x .55"	C-TD047-400	.42	.38
.068	.26" x .75"	C-TD068-400	.42	.38
.1	.30" x .75"	C-TD1-400	.48	.43
.22	.39" x .75"	C-TD22-400	.60	.54
.47	.45" x .98"	C-TD47-400	.66	.60
1.0	.59" x 1.26"	C-T1-400	1.05	.95
2.2	.56" x 1.21"	C-T2D2-400	2.03	1.83

630 Volt

.001	.18" x .39"	C-TD001-630	.61	.56
.0022	.18" x .39"	C-TD0022-630	.57	.51
.0033	.18" x .39"	C-TD0033-630	.57	.51
.0047	.18" x .39"	C-TD0047-630	.57	.51
.0068	.18" x .39"	C-TD0068-630	.57	.51
.01	.24" x .55"	C-TD01-630	.42	.38
.015	.26" x .55"	C-TD015-630	.42	.38
.022	.27" x .57"	C-TD022-630	.44	.40
.033	.26" x .75"	C-TD033-630	.57	.51
.047	.30" x .75"	C-TD047-630	.52	.47
.068	.33" x .75"	C-TD068-630	.58	.52
.1	.39" x .75"	C-TD1-630	.66	.59
.15	.43" x .75"	C-TD15-630	.71	.64
.22	.43" x .98"	C-TD22-630	.75	.68
.33	.47" x .98"	C-TD33-630	.87	.78
.47	.51" x 1.26"	C-TD47-630	.98	.88
.68	.59" x 1.26"	C-TD68-630	1.13	1.02
1.0	.67" x 1.26"	C-T1-630	1.45	1.31
1.5	.75" x 1.26"	C-T1D5-630	1.98	1.78



Illinois Metallized Polypropylene Tubular

Tolerance $\pm 10\%$, $+105^\circ\text{C}$, non-inductive, self healing windings, axial leads.

630 Volt

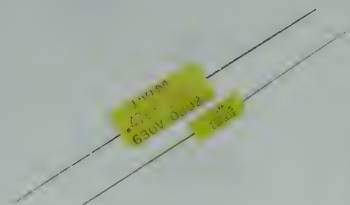
Capacitance (μF)	Diameter x Length		1-9	10+
.001	.20" x .42"	C-UD001-630	\$0.75	\$0.68
.0022	.23" x .54"	C-UD0022-630	.75	.68
.0033	.22" x .41"	C-UD0033-630	.76	.69
.0047	.22" x .42"	C-UD0047-630	.76	.69
.01	.23" x .54"	C-UD01-630	.52	.47
.022	.30" x .54"	C-UD022-630	.62	.56
.033	.29" x .73"	C-UD033-630	.84	.76
.047	.33" x .73"	C-UD047-630	.84	.76
.1	.35" x 1.05"	C-UD1-630	.92	.83
.22	.38" x 1.27"	C-UD22-630	1.23	1.12
.47	.62" x 1.27"	C-UD47-630	1.74	1.58



150M Series Metalized Polyester Tubular

Tolerance $\pm 10\%$, non-inductive, self healing windings, axial leads. 630 Volt.

Capacitance (μF)	Diameter x Length		1-9	10+
.001	.20" x .58"	C-MD001-630	\$0.55	\$0.50
.0022	.18" x .52"	C-MD0022-630	.58	.53
.0047	.23" x .52"	C-MD0047-630	.64	.58
.01	.24" x .65"	C-MD01-630	.66	.60
.022	.28" x .65"	C-MD022-630	.74	.67
.047	.32" x .81"	C-MD047-630	.81	.74
.1	.34" x 1.10"	C-MD1-630	1.03	.94
.22	.45" x 1.10"	C-MD22-630	1.16	1.05
.47	.59" x 1.30"	C-MD47-630	1.93	1.75



Capacitors

Solen "Fast" Capacitors

Solen "FAST CAPACITORS" are made of the highest quality aluminum metallized polypropylene film available. They will directly enhance the efficiency of loudspeaker and other electronic equipment.

- Very low dielectric absorption factor
- Very low equivalent series resistance
- Very low inductance
- Very high resonant frequency
- Ultra linear impedance characteristics
- Very low dissipation factor
- Very high insulation resistance

250VDC, $\pm 5\%$ tolerance

μF	Size (mm)		
1	11 x 21	C-FT1-250	\$2.40
2.2	14 x 22	C-FT2D2-250	2.95
3.3	16 x 25	C-FT3D3-250	3.75
4.7	18 x 27	C-FT4D7-250	3.95
5.1	19 x 27	C-FT5D1-250	4.50
6.8	20 x 30	C-FT6D8-250	4.50
10	23 x 33	C-FT10-250	5.25
15	25 x 38	C-FT15-250	8.25
22	28 x 43	C-FT22-250	10.95
47	38 x 48	C-FT47-250	17.85

630VDC, $\pm 5\%$ tolerance

0.1	9 x 17	C-FSD1-630	\$1.75
0.15	9 x 20	C-FSD15-630	1.75
0.22	11 x 20	C-FSD22-630	1.80
0.27	11 x 22	C-FSD27-630	1.80
0.33	12 x 22	C-FSD33-630	1.95
0.47	13 x 22	C-FSD47-630	2.10
0.56	14 x 22	C-FSD56-630	2.10
0.68	15 x 22	C-FSD68-630	2.25
1	16 x 25	C-FS1-630	2.35
1.5	18 x 27	C-FS1D5-630	2.35
2.2	19 x 33	C-FS2D2-630	2.65
3.3	24 x 33	C-FS3D3-630	2.95
4.7	25 x 38	C-FS4D7-630	4.05
6.8	30 x 38	C-FS6D8-630	4.10
8.2	30 x 45	C-FS8D2-630	4.70
10	32 x 45	C-FS10-630	5.25
15	36 x 53	C-FS15-630	6.95
22	42 x 58	C-FS22-630	8.50
33	49 x 63	C-FS33-630	12.95
47	54 x 72	C-FS47-630	15.95

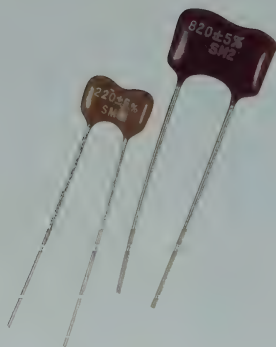
1000VDC, $\pm 5\%$ tolerance

.01	7 x 16	C-FSD01-1000	\$2.00
.022	8 x 18	C-FSD022-1000	2.05
.047	8 x 18	C-FSD047-1000	2.10



call 480.820.5411 or fax 800.706.6789/480.820.4643

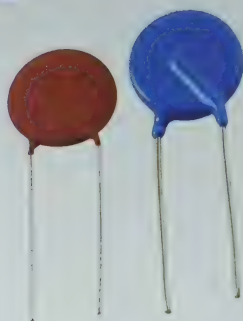




Conversions

To convert pico farads (pF) to micro farads (μF) multiply by 0.000001 (2200 pF = .0022 μF)

To convert micro farads (μF) to pico farads (pF) multiply by 1,000,000 (.0005 μF = 500 pF)



Variable Capacitors

Subject to stock on hand.

100pF, ¼" shaft, ⅞" long

C-V100P \$17.95

Single section 365 pF, 1 ⅜" deep x 1 ⅞" wide frame, ¼" diameter shaft x ⅞" long

C-V365 12.95

Two section 17 plate 140-30 pF oscillator section with trimmer, 23 plate 300-30 pF RF section.
2 ⅞" x 1.8" x 1 ⅞", ¼" rounded shaft

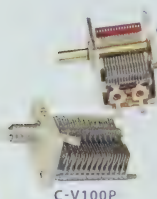
C-V300-140 16.95

Three section, 365 pF, 3 ¼" long frame, ¼" x 1" shaft

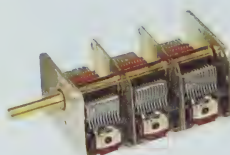
C-V365-X3 31.95

Three section, 500 pF, 3 ⅞" long frame, ¼" x 1" shaft

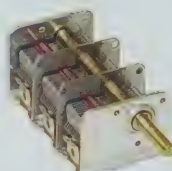
C-V500-X3 32.95



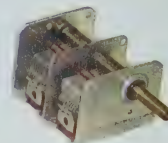
C-V100P



C-V500-X3



C-V365-X3



C-V300-140

Silver Mica

5% tolerance. Dipped epoxy coating. Capacitance is listed in pico farads.

500 Volt

Capacitance (pF)	H x L		
10	.29" x .42"	C-SM10	\$0.40
22	.32" x .44"	C-SM22	.40
47	.31" x .42"	C-SM47	.40
50	.31" x .41"	C-SM50	.40
68	.32" x .44"	C-SM68	.40
82	.32" x .44"	C-SM82	.40
100	.30" x .43"	C-SM100	.41
120	.45" x .60"	C-SM120	.41
150	.30" x .44"	C-SM150	.42
220	.32" x .44"	C-SM220	.50
250	.32" x .43"	C-SM250	.50
300	.34" x .44"	C-SM300	.50
390	.48" x .60"	C-SM390	.60
500	.35" x .45"	C-SM500	.60
680	.51" x .63"	C-SM680	.68
820	.48" x .63"	C-SM820	.65
1000	.53" x .64"	C-SM1000	.70

Ceramic Disc

Capacitance is listed in pico farads. Tolerance ±10%.

Capacitance (pF) @ Volts	Diameter		
10,000 @ 100	.26"	C-D10000-100	\$0.15
22,000 @ 100	.26"	C-D22000-100	0.15
50,000 @ 100	.57"	C-D50000-100	.29
100,000 @ 100	.64"	C-D100000-100	.34
470 @ 2000	.25"	C-D470-2000	.23
1000 @ 2000	.26"	C-D1000-2000	.30
2200 @ 2000	.37"	C-D2200-2000	.46
100 @ 3000	.32"	C-D100-3000	.35
330 @ 3000	.24"	C-D330-3000	.37
1000 @ 3000	.26"	C-D1000-3000	.39
10,000 @ 3000	.66"	C-D10000-3000	.99
220 @ 6000	.33"	C-D220-6000	.46
470 @ 6000	.33"	C-D470-6000	.56

Alessandro High-End Capacitors

Coupling Capacitors

High-end foil-in-oil caps with vintage tonality and silver leads. Finest-sounding coupling cap available for repairs, DIY, or upgrading your vintage amp.

630 Volt

Capacitance (µF)	Diameter x Length		
.022	.57 x 1.07	C-AHED022-630	\$17.75
.047	.57 x 1.38	C-AHED047-630	17.75
.1	.64 x 1.43	C-AHED1-630	19.50

Guitar Tone Caps

Handmade wax, paper, and foil caps. Made to the same specs as the caps found in '50s Fender® guitars.

150 Volt

Capacitance (µF)	Diameter x Length		
.05	.41 x .83	C-AHED05-150	\$37.50
.1	.55 x 1.06	C-AHED1-150	37.50

ALESSANDRO
HIGH-END PRODUCTS



Capacitors

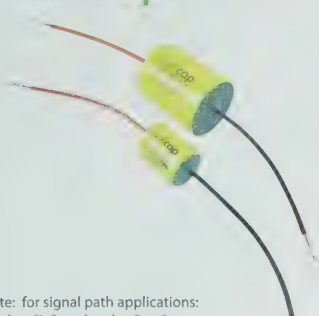
MusiCap® by Hovland Coupling Capacitors

HOVLAND



Note: for signal path applications:
green = "in" and red = "out".

auricap



Note: for signal path applications:
black = "in" and red = "out".

Film & Foil Polypropylene

22 awg, silver-plated, teflon insulated axial leads. Round case. Tolerance ± 5%.

Capacitance (µF)	Diameter x Length		
1.0 @ 200	.68" x 2.00"	C-H1-200	\$14.40
3.0 @ 200	.92" x 2.88"	C-H3-200	24.10
.1 @ 400	.41" x 1.28"	C-HD1-400	8.75
.15 @ 400	.52" x 1.28"	C-HD15-400	10.30
.22 @ 400	.55" x 1.50"	C-HD22-400	10.95
.47 @ 400	.59" x 2.00"	C-HD47-400	12.25
2.0 @ 400	.98" x 3.00"	C-H2-400	24.10
.1 @ 600	.50" x 1.75"	C-HD1-600	11.70
.22 @ 600	.62" x 2.00"	C-HD22-600	13.95
.33 @ 600	.57" x 2.25"	C-HD33-600	16.25
.47 @ 600	.80" x 2.50"	C-HD47-600	18.50
.022 @ 1000	.44" x 1.25"	C-HD022-1000	10.10
.047 @ 1000	.54" x 1.75"	C-HD047-1000	11.65
.01 @ 1600	.39" x 1.17"	C-HD01-1600	10.05

Auricap High Resolution Capacitors

Tolerance - ±10%.

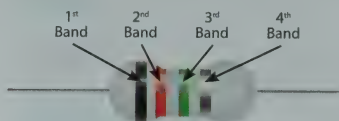
Capacitance (µF)	Diameter x Length		
.1	.41" x .55"	C-AUD1-400	\$9.40
.22	.44" x .67"	C-AUD22-400	9.60
.33	.57" x .66"	C-AUD33-400	9.65
.47	.66" x .86"	C-AUD47-400	10.00
.68	.70" x .95"	C-AUD68-400	10.85
1.0	.84" x .94"	C-AU1-400	9.40
1.5	.76" x 1.17"	C-AU1D5-400	13.95
.01	.37" x .57"	C-AUD01-600	\$8.15
.022	.42" x .53"	C-AUD022-600	8.55
.047	.47" x .72"	C-AUD047-600	8.95
1.0	1.16" x 1.47"	C-AU1-600	16.80

call 480.820.5411 or fax 800.706.6789/480.820.4643



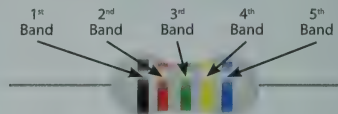
How to Read a Resistor

Most resistors are color coded with multiple bands to identify the resistance value and the tolerance. While actually measuring the resistance of a resistor before using it is a good idea, it's also a good idea to know what the resistance is supposed to be. Resistors (especially carbon composition) can drift in their actual resistance. Keep a stock of fresh resistors on hand. Use the following Standard EIA color code tables below to identify resistors. See the **tech** section on our web site [tubesandmore.com](http://www.tubesandmore.com) for more information.



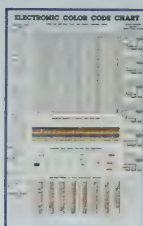
4 band: $\pm 2\%$, $\pm 5\%$ and $\pm 10\%$ tolerance

Color	1 st band (1 st figure)	2 nd band (2 nd figure)	3 rd band (multiplier)	4 th band (tolerance)
Black	0	0	10^0	
Brown	1	1	10^1	
Red	2	2	10^2	$\pm 2\%$
Orange	3	3	10^3	
Yellow	4	4	10^4	
Green	5	5	10^5	
Blue	6	6	10^6	
Violet	7	7	10^7	
Gray	8	8	10^8	
White	9	9	10^9	
Gold			10^{-1}	$\pm 5\%$
Silver			10^{-2}	$\pm 10\%$



5 band: $\pm 1\%$, $\pm 25\%$, $\pm 5\%$ and $\pm 1\%$ tolerance

Color	1 st band (1 st figure)	2 nd band (2 nd figure)	3 rd band (3 rd figure)	4 th band (multiplier)	5 th band (tolerance)
Black	0	0	0	10^0	
Brown	1	1	1	10^1	$\pm 1\%$
Red	2	2	2	10^2	
Orange	3	3	3	10^3	
Yellow	4	4	4	10^4	
Green	5	5	5	10^5	$\pm 0.5\%$
Blue	6	6	6	10^6	$\pm 0.25\%$
Violet	7	7	7	10^7	$\pm 0.1\%$
Gray	8	8	8	10^8	
White	9	9	9	10^9	
Gold				10^{-1}	
Silver				10^{-2}	$\pm 10\%$



Electronic Color Code Chart Poster

Reprint of RMA color code chart showing standard colors for resistors, capacitors, transformer leads and more.

25" W x 38" H

B-P104

\$6.95

1 Watt Carbon Composition

Values
470 | 1K | 10K | 47K | 100K |



R-X (+ohm value) each

\$1.50

Values

2.2	68	680	6.2K	68K	680K
2.7	82	750	6.8K	75K	750K
3.0	100	820	7.5K	82K	820K
3.9	110	1.0K	8.2K	100K	1.0M
4.7	120	1.1K	10K	110K	1.2M
5.1	150	1.2K	12K	120K	1.5M
6.8	180	1.5K	15K	150K	2.2M
8.2	220	1.8K	20K	200K	2.4M
10	240	2.2K	22K	220K	2.7M
12	270	2.4K	27K	240K	3.3M
15	330	2.7K	33K	270K	4.7M
20	360	3.3K	39K	330K	5.6M
27	390	3.6K	47K	390K	6.8M
36	470	4.7K	51K	470K	8.2M
47	510	5.1K	56K	510K	
51	620	5.6K	62K	620K	



½ Watt Carbon Composition

Made by mixing carbon particles with a binder molded into a cylindrical shape, then baked. Resistance decreases as temperature increases. Resistance more prone to drifting than with other types. Available in ½ watt ratings. Standard "classic" resistor. 0.38" long x 0.41" diameter. $\pm 5\%$ tolerance, $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ operating range, 350V working, 700V overload. Low Inductance, low capacitance. Better pulse endurance characteristics than film type resistors. EIA color coded. Sold in multiples of 5.

Below 1 meg ohm



R-I (+ohm value)	pkg of 5	\$2.00
R-I (+ohm value)	pkg of 20	5.50
R-I (+ohm value)	pkg of 100	15.00

1 meg ohm and above



R-J (+ohm value)	pkg of 5	\$2.25
R-J (+ohm value)	pkg of 20	6.50
R-J (+ohm value)	pkg of 100	21.00

All 94 values, 5 pcs of each value. **Save 50%!!**


R-IJKIT \$95.35




½ Watt and 1 Watt Carbon Film

Carbon film resistors are made by vacuum depositing a thin carbon film on a ceramic form. Available in ½ and 1 watt ratings. A good choice for applications which require a steady, low power drop. ±5% tolerance, -55°C ~ 155°C operating range. High stability, low noise, moisture stable. EIA color coded. High quality performance at an economical price. Sold in multiples of 5.

½ Watt - 0.4" long x .14" diameter, 350 V working, 700 V overload


	R-A (+ohm value)	pkg of 5	\$1.10
	R-A(+ohm value)	pkg of 20	2.50
	R-A(+ohm value)	pkg of 100	5.00
All 91 values, 5 pcs of each value. Save 50%!!	R-AKIT		\$45.50

1 Watt - 0.5" long x .14" diameter, 500 V working, 1,000 V overload

	R-B(+ohm value)	pkg of 5	\$1.50
	R-B(+ohm value)	pkg of 20	3.50
	R-B(+ohm value)	pkg of 100	9.00
All 91 values, 5 pcs of each value. Save 50%!!	R-BKIT		\$68.25

½ Watt Metal Film


Consists of a resistive element of an extremely thin layer of metal alloy vacuum deposited on a substrate. Precise and quiet. ½ watt ratings. 0.4" long x 0.14" diameter. ±1% tolerance, -55°C ~ 155°C operating range, 350V working, 700V overload. Epoxy coated, nickel chromium ceramic substrate, alloy coated leads, welded end caps. EIA color coded. Sold in multiples of 5.

	R-M (+ohm value)	pkg of 5	\$1.50
	R-M (+ohm value)	pkg of 20	3.50
	R-M (+ohm value)	pkg of 100	9.00
All 70 values, 5 pcs of each value. Save 50%!!	R-MKIT		\$52.50


1 and 2 Watt Metal Oxide Power

Metal Oxide resistors are for applications where stability under high temperature conditions is required. Available in 1 and 2 watt ratings. ±5% tolerance, -55°C ~ 240°C operating range (derated over 70°C), 350V working, 600V overload. Excellent flame retardant coating. Stable performance in diverse conditions. High purity ceramic core. EIA color coded. Sold in multiples of 5.

1 Watt - 0.47" long x 0.20" diameter

	R-E (+ohm value)	pkg of 5	\$1.75
	R-E (+ohm value)	pkg of 20	4.00
	R-E (+ohm value)	pkg of 100	11.00
All 86 values, 5 pcs of each value. Save 50%!!	R-EKIT		\$72.50


2 Watt - 0.63" long x 0.22" diameter

	R-F (+ohm value)	pkg of 5	\$2.00
	R-F (+ohm value)	pkg of 20	5.50
	R-F (+ohm value)	pkg of 100	15.00
All 86 values, 5 pcs of each value. Save 50%!!	R-FKIT		\$86.00

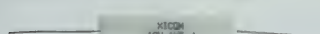
Power Resistors

Wire wound resistors are made by wrapping a length of high resistance wire onto an insulating form. Metal oxide resistors are made by depositing tin oxide on the substrate, providing good stability. Ceramic flame retardant package. Exceptionally small, sturdy and reliable. Available in 5 watt and 10 watt ratings. ±5% tolerance, -55°C ~ 155°C operating range (derated over 70°C), 350V working, 700V overload. Excellent moisture resistance. Stable performance in diverse conditions. Sealed with special cement. High temperature stability.

5 Watt - 0.86" long x 0.39" square

	R-Q (+ohm value)	each	\$0.95
		pkg of 10	5.00

10 Watt - 1.93" long x 0.39" square

	R-R (+ohm value)	each	\$1.30
		pkg of 10	7.00



Values

1.0	30	470	3.0K	33K	470K
1.5	33	510	3.3K	39K	680K
2.0	39	620	3.9K	47K	820K
2.4	47	680	4.3K	51K	1.0M
2.7	51	750	4.7K	56K	1.5M
3.3	68	820	5.1K	68K	2.0M
4.7	82	1.0K	5.6K	75K	3.0M
5.1	100	1.1K	6.2K	82K	4.7M
6.8	110	1.2K	6.8K	100K	6.8M
8.2	120	1.5K	7.5K	110K	8.2M
10	150	1.6K	8.2K	120K	
12	180	1.8K	10K	150K	
15	220	2.0K	15K	200K	
20	240	2.2K	20K	220K	
22	270	2.4K	22K	270K	
27	330	2.7K	27K	330K	

Values

10	120	680	5.1K	47K	240K
12	150	820	6.2K	51K	270K
15	180	1.0K	6.8K	62K	330K
20	220	1.1K	7.5K	68K	470K
27	240	1.2K	8.2K	75K	511K
36	270	1.5K	10K	82K	680K
47	330	2.2K	15K	100K	820K
51	360	2.4K	20K	110K	1.0M
68	390	2.7K	22K	120K	1.5M
82	470	3.3K	27K	150K	2.2M
100	510	3.9K	33K	200K	
110	620	4.7K	39K	220K	

Values

0.47	27	270	1.8K	9.1K	82K
1.0	30	300	2.0K	10K	100K
2.0	39	330	2.2K	12K	120K
2.4	47	390	2.4K	15K	150K
2.7	51	470	2.7K	18K	200K
3.3	68	510	3.0K	20K	220K
4.7	82	560	3.3K	22K	270K
5.1	100	680	3.9K	24K	330K
6.8	110	750	4.3K	27K	470K
8.2	120	820	4.7K	30K	510K
10	150	1.0K	5.1K	33K	680K
12	180	1.1K	6.2K	47K	820K
15	200	1.2K	6.8K	51K	1.0M
20	220	1.5K	7.5K	68K	
22	240	1.6K	8.2K	75K	

	Wire Wound	Metal Oxide
5W	0.5-47	50+
10W	0.5-750	1.0K-25K

Values

0.5	7.5	50	150	680	3.0K
1	8.2	68	200	750	4.7K
2	10	75	250	820	5.0K
3	15	82	300	1.0K	10K
4	20	100	360	1.5K	20K
5	30	110	400*	2.0K	25K
6.8	47	120	500	2.7K	

* 10 Watt only



ALPHA



Alpha Potentiometers

24mm, carbon composition, solid shaft. 300° rotation. ½ watt, 500VDC rating for linear taper, ¼ watt, 250VDC rating for audio taper. ¼" diameter shaft, 8mm bushing. Solder lugs.

Single Audio/Log

1K	R-VA1KA	\$1.40
5K	R-VA5KA	1.40
10K	R-VA10KA	1.40
50K	R-VA50KA	1.40
500K	R-VA500KA	1.40
1M	R-VA1MA	1.40

Dual Audio/Log

10K	R-VA2X10KA	\$2.50
50K	R-VA2X50KA	2.50
100K	R-VA2X100KA	2.50
250K	R-VA2X250KA	2.50
500K	R-VA2X500KA	2.50
1M	R-VA2X1MA	2.50

Single Linear

1K	R-VA1KL	\$1.40
5K	R-VA5KL	1.40
10K	R-VA10KL	1.40
50K	R-VA50KL	1.40
100K	R-VA100KL	1.40
250K	R-VA250KL	1.40
1M	R-VA1ML	1.40
100K, 2" shaft	R-VA100KLX	1.95

Dual Linear

50K	R-VA2X50KL	\$2.50
100K	R-VA2X100KL	2.50
250K	R-VA2X250KL	2.50
500K	R-VA2X500KL	2.50
1M	R-VA2X1ML	2.50

Alpha Potentiometers - ⅜" Bushing

Same as above but with ⅜" bushings. Exact fit for American made amplifiers.

Single Audio/Log

10K	R-V38-10KA	\$1.75
25K	R-V38-25KA	1.75
50K reverse audio	R-V38-50K-RA	1.75
100K	R-V38-100KA	1.75
250K	R-V38-250KA	1.75
500K	R-V38-500KA	1.75
1M	R-V38-1MA	1.75

Single Linear

5K	R-V38-5KL	\$1.75
25K	R-V38-25KL	1.75
100K	R-V38-100KL	1.75
250K	R-V38-250KL	1.75
500K	R-V38-500KL	1.75
2M	R-V38-2ML	1.75
Nut for ⅜" bushings	R-VNUT-38	.60



Potentiometer Dust Seal Cover



R-V-COVER

Black, fits 24mm potentiometers

R-V-COVER \$.95

Miniature Alpha Potentiometers

16mm, ¼" split, knurled shaft. (Push-on). 7mm bushing.

Audio Taper

500K	R-VAM500KA	\$1.50
1M	R-VAM1MA	1.50

Linear Taper

300K	R-VAM300KL	\$1.50
------	------------	--------



R-VPP-1MA

Push-Pull Potentiometers

DPDT used in many Fender® applications.

1M audio, 7mm bushing, ¼" solid metal shaft

R-VPP-1MA \$3.25

Bourns Potentiometers - Solid Shaft

24mm body diameter, 1/4 watt, 300° rotation, 1/4" shaft diameter, solder lugs, 3/8" bushing

Audio

10K	R-VB-10KA	\$2.60
25K	R-VB-25KA	2.60
100K	R-VB-100KA	2.60
250K	R-VB-250KA	2.60
500K	R-VB-500KA	2.60
1M	R-VB-1MA	2.60

Linear

25K	R-VB-25KL	\$2.60
100K	R-VB-100KL	2.60
250K	R-VB-250KL	2.60
500K	R-VB-500KL	2.60



R-VB-25KL

Bourns Potentiometers - Knurled Split Shaft

24mm body diameter, 1/4 watt, 300° rotation, 1/4" shaft diameter, solder lugs, 3/8" bushing

Audio

250K	R-VB-250KA-SP	\$2.60
500K	R-VB-500KA-SP	2.60

Linear

300K	R-VB-300KL-SP	\$2.60
------	---------------	--------



R-VB-250KA-SP

Bourns Potentiometers - Knurled Split Shaft with Push/Pull Switch

17mm body diameter, 1/10 watt, 300° rotation, 1/4" shaft diameter, PC pins, 3/8" bushing

Audio

250K	R-VB-250KA-PPSP	\$9.95
500K	R-VB-500KA-PPSP	9.95



R-VB-250KA-PPSP

Bourns Potentiometers - Slotted Shaft

0.625"W x 0.377"L x 0.625"D body, 1/4 watt, 300° rotation, 1/4" shaft diameter, J-hooks, 3/8" bushing

Audio

250K	R-VB-250KA-SL	\$9.95
500K	R-VB-500KA-SL	9.95



R-VB-250KA-SL



Bourns Potentiometers - Knurled Split Shaft Premium

Conductive polymer, 0.625"W x 0.625"L x 0.5"D body, 1/4 watt, 300° rotation, 1/4" shaft diameter, solder lugs, 3/8" bushing

Audio

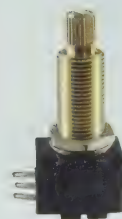
		Bushing Length	
250K	R-VB-250KA-P	.375"	\$9.95
500K	R-VB-500KA-P	.375"	9.95
250K	R-VB-250KA-XL-P	.75"	17.50
500K	R-VB-500KA-XL-P	.75"	17.50

Linear

300K	R-VB-300KL-P	.375"	\$9.95
500K	R-VB-500KL-P	.375"	9.95
300K	R-VB-300KL-XL-P	.75"	17.50
500K	R-VB-500KL-XL-P	.75"	17.50



R-VB-500KL-P



R-VB-250KA-XL-P

Bourns Potentiometers - Knurled Split Shaft Mini

17mm body diameter, 1/10 watt, 300° rotation, 1/4" shaft diameter, solder lugs, 3/8" bushing

Audio

250K	R-VBM-250KA	\$2.50
500K	R-VBM-500KA	2.50



R-VBM-500KA

call 480.820.5411 or fax 800.706.6789/480.820.4643



Gibson



R-V300-GIB



R-V500-GIB



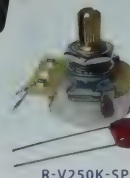
R-V510-GIB



R-V520-GIB

R-V310-GIB

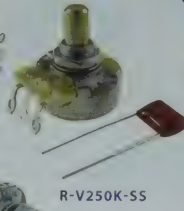
Fender



R-V250K-SP



R-VTBX



R-V250K-SS



R-V250K-PP-SP



S-HRVNT



S-HRVLW

Gibson® Original Potentiometers

For Gibson® Guitars

300K ohm, Linear taper, long shaft	R-V300-GIB	\$8.50
300K ohm, Linear taper, short shaft	R-V310-GIB	8.50
500K ohm, Audio taper, long shaft	R-V500-GIB	8.50
500K ohm, Audio taper, short shaft	R-V510-GIB	8.50
500K ohm, Audio taper, push-pull, short shaft	R-V520-GIB	17.95

Fender® Original Potentiometers

For most Stratocaster & Telecaster Guitars

Includes nut, washer and capacitor except where noted.

250K ohm, original TBX tone control	R-VTBX	\$11.95
250K ohm, split shaft	R-V250K-SP	5.75
250K ohm, split shaft, no load	R-V250K-SP-NL	6.95
250K ohm, push pull, split shaft (no cap)	R-V250K-PP-SP	12.95
250K ohm, solid shaft	R-V250K-SS	5.75
250K ohm, solid shaft, no load	R-V250K-SS-NL	6.95
500K ohm, split shaft	R-V500K-SP	6.95
500K ohm, solid shaft	R-V500K-SS	6.25
1M ohm, solid shaft (nut/washer/cap not included)	R-V1M-SS	6.25
Hex nut for Fender® pots. Package of 12	S-HRVNT	4.25
Lock washer for Fender® pots. Package of 12	S-HRVLW	4.25
50K audio, split shaft, for Eric Clapton mod (nut/washer/cap not included)	R-V50KA-SP-EC	3.85

Fender® Original Snap-in Potentiometers

PC Mount

For Blues Jr.®

25K Linear, middle	R-VBJ-25KL	\$2.55
50K Linear, reverb	R-VBJ-50KL	2.55
250K Audio, treble	R-VBJ-250KA	2.55
250K Linear, bass	R-VBJ-250KL	2.55
1M Audio, volume	R-VBJ-1MA	2.55

For Hot Rod Deluxe®

25K Audio, for presence	R-VHD-25KA	\$2.75
25K Linear, reverb	R-VHD-25KL	2.75
250K Audio, vol drive & bass	R-VHD-250KA	2.75

Other Snap-in

100K 30C	R-VSN-100K	\$2.75
1Meg Audio J taper	R-VSN-1MA	2.75

Fender® Original Bias Pot

10K Linear, Original Fender® Bias Pot	R-V10KL-BP-FND	\$2.95
---------------------------------------	----------------	--------

Hum Balance for Fender®

5 watt wirewound, 100 ohm Linear, 3/8" bushing, knurled split shaft	R-V5W-100L	\$3.85
---	------------	--------

Fender



R-VBJ-25KL



R-VBJ-250KA



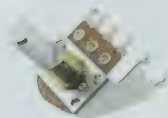
R-VHD-25KA



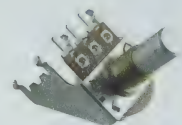
R-VBJ-250KL



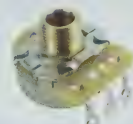
R-VBJ-1MA



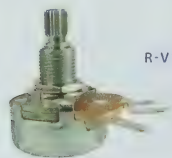
R-VSN-1MA



R-VSN-100KA



R-V10KL-BP-FND



R-V5W-100L

PEC Potentiometers

Precision Electronic Components K-series military spec potentiometers. Hot molded carbon element, gold-plated terminals, stainless steel shaft and housing. Mechanical rotation: 314°, 2 Watt, audio taper 1/4" shaft diameter, 3/8" bushing width, 3/8" bushing length, 3/8" shaft length. Made in Canada.

10K	R-VPEC-10KA	\$9.95
25K	R-VPEC-25KA	9.95
100K	R-VPEC-100KA	9.95
250K	R-VPEC-250KA	9.95
500K	R-VPEC-500KA	9.95
1 Meg	R-VPEC-1MA	9.95

CTS Potentiometers

24 mm, 1/2 watt, 3/8" mounting, 1/4" splined nylon shaft for set screw or push on. For most US made amps.

Audio

5K	R-VCTS-5K-A*	\$3.25
10K	R-VC10KA	3.25
50K reverse	R-VC50K-RA	3.25
250K	R-VC250KA	3.25
500K	R-VC500KA	3.25
1M	R-VC1MA	3.25
3M reverse	R-VC3M-RA	3.25

*Solid Shaft Fender® Package

Linear

100K	R-VC100KL	\$3.25
------	-----------	--------

CTS Push-Pull

SPST, solder lugs, 3/8" bushing, 24mm, 3A 125VAC

Audio

1M	R-VC1MA-PP	\$8.95
----	------------	--------

Potentiometers by Alessandro for Amps

2 watt military-specification carbon audio taper pots come standard with 3/8" bushing, 3/8" shaft length, 1/4" solid stainless steel shaft. Made in Canada.

10K	R-V10KA-AHE	\$14.95
25K	R-V25KA-AHE	14.95
250K	R-V250KA-AHE	14.95
500K	R-V500KA-AHE	14.95
1M	R-V1MA-AHE	14.95

Potentiometers by Alessandro for Guitars

1 watt military-specification carbon custom taper pots come standard with 3/8" bushing and solid stainless steel shaft. Made in Canada.

250K, Audio, solid shaft	R-V250KA-SS-AHE	\$37.50
250K, Audio, split knurled shaft	R-V250KA-SP-AHE	37.50
500K, Audio, split knurled shaft	R-V500KA-SP-AHE	37.50

Sealed Potentiometers

24mm, knurled split shaft, (9M x 0.75) 0.35" bushing diameter and length.

Audio

250K	R-V250KA-SE	\$6.60
500K	R-V500KA-SE	6.60

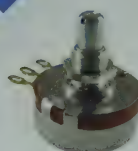
Linear

250K	R-V250KL-SE	\$6.60
500K	R-V500KL-SE	6.60

PRECISION



R-VPEC-500KA



R-VPEC-10KA



R-VPEC-250KA

CTS

Electrocomponents



R-VC500KA



R-VPC3M-RA



R-VC1MA-PP

ALESSANDRO

HIGH-END PRODUCTS



R-V25KA-AHE



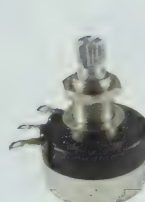
R-V250KA-AHE



R-V250KA-SP-AHE



R-V500KA-SP-AHE



R-V250KL-SE



R-V500KA-SE

call 480.820.5411 or fax 800.706.6789/480.820.4643





Marshall™/Korg® Potentiometers

PC mount

24mm**Linear**

4.7K	R-V4D7KL-M	\$2.95
22K	R-V22KL-M	2.95
100K	R-V100KL-M	2.95
220K	R-V220KL-M	2.95

Audio

1M	R-V1MA-M	\$2.95
1M, push/pull. Not 24mm	R-V1M-PP	14.95
4.7K	R-V4D7KA-M	2.95
22K	R-V22KA-M	2.95
100K	R-V100KA-M	2.95
220K	R-V220KA-M	2.95

16mm**Linear**

4.7K	R-V4D7KL-M-16	\$2.95
10K	R-V10KL-M-16	2.95
10K Dual	R-V10KLX2-M-16	3.95
22K	R-V22KL-M-16	2.95
100K	R-V100KL-M-16	2.95
220K	R-V220KL-M-16	2.95

Audio

100K	R-V100KA-M-16	\$2.95
100K Dual Reverse	R-V100KRA-X2-16	5.95
1M	R-V1MA-M-16	2.95

Trim Pot

22K Linear bias, for JMP	R-V22KL-BP-M	\$3.95
470K for Vox® Vibrato/Tremolo amps	R-V470K-BP-V	3.95

Peavey® Potentiometers

Hardware not included

Slide

20K Linear, 30mm	R-VPV-20KL-SLD	\$3.75
50K Linear, 45mm	R-VPV-50KL-45	3.75
10K Audio, 60mm	R-VPV-10KA-60	3.95
10K Audio, 100mm	R-VPV-10KA-100	7.50

24mm

10K Linear, spider	R-VPV-10KL-SPD	\$7.95
50K Linear with push/pull switch	R-VPV-50KL-SW	12.95
250K Linear	R-VPV-250KL-PC	1.95

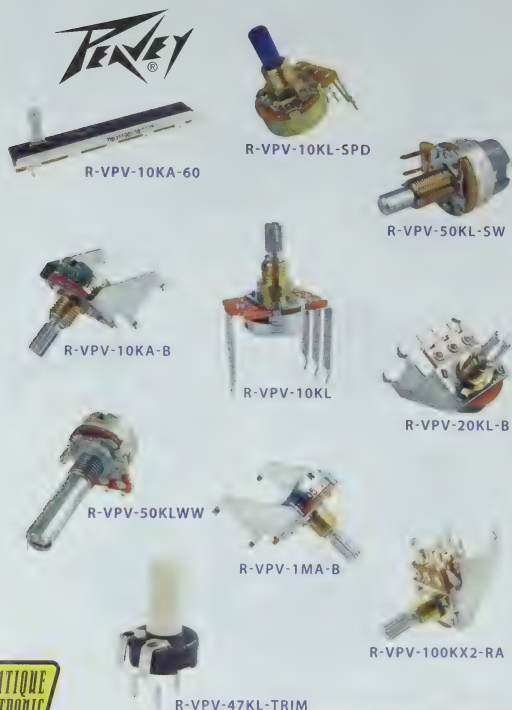
16mm

10K Audio, spider	R-VPV-10KA	\$3.95
10K Audio with bracket	R-VPV-10KA-B	2.65
10K Reverse Audio with bracket	R-VPV-10K-RA	2.65
100K Audio, spider	R-VPV-100KA	3.95
100K Dual Reverse Audio with bracket	R-VPV-100KX2-RA	3.95
250K Audio, spider	R-VPV-250KA	3.95
250K Audio with bracket	R-VPV-250KA-B	2.65
1M Audio with bracket	R-VPV-1MA-B	2.85

10K Linear, spider	R-VPV-10KL	\$3.95
10K Linear with bracket	R-VPV-10KL-B	2.85
20K Linear with bracket	R-VPV-20KL-B	2.65
50K Linear, spider with center notch	R-VPV-50KL	3.95
50K Linear, spider with center notch	R-VPV-50KL-R	3.75
50K Linear, wire wound, notched, XL shaft	R-VPV-50KLWW	2.50

Trim Pot

47K Linear, for PA	R-VPV-47KL-TRIM	\$1.50
--------------------	-----------------	--------



Dunlop Potentiometers

Hot Potz 470K	P-ECB-24A	\$19.95
Hot Potz II 100K Crybaby	P-ECB-24B	19.95
20K for Bass Wah	P-ECB-24C	19.95

Replacement Potentiometers for Wah

Linear		
100K Wah pot	R-VWAH-POT	\$8.95
125K Linear Wah pot	R-VWAH-125KL	8.95
150K Linear Wah pot	R-VWAH-150KL	8.95
200K Linear Wah pot	R-VWAH-200KL	8.95
Life Pot 100K Wah pot. High grade replacement and upgrade wah pedal pot supplied with all necessary hardware and gear for immediate installation.	R-VWAH-LP	11.95
500K/50K dual Wah pot. Replacement for Ibanez WH10	R-VWAH-IBZ	3.95

Korg® Potentiometers

Audio - 11mm, PC mount		
10K	R-VKG-10KA	\$4.95
100K	R-VKG-100KA	4.95
200K	R-VKG-200KA	4.95
500K	R-VKG-500KA	4.95
1M	R-VKG-1MA	4.95
Linear - 11mm, PC mount		
5K	R-VKG-5KL	\$4.95
10K	R-VKG-10KL	4.95
20K	R-VKG-20KL	4.95
100K	R-VKG-100KL	4.95
200K	R-VKG-200KL	4.95

Switched Potentiometers

Great for antique radios! Single pole, single throw (SPST) switch, 2 amp 125VAC. 24mm body, 1 3/4" long x 1/4" diameter solid shaft.

500K Audio	R-VS-500KA	\$2.65
1M Audio	R-VS-1MA	2.65

NeOhm NOS Potentiometers

Composition element control designed for applications where bushingless controls are required. Phenolic shaft insures insulation if control is used on a hot chassis. Great for antique radios. 24mm body, 2" long x 1/4" diameter solid shaft.

Audio		
100K Dual	R-V100KD-N	\$0.95
Linear		
200K, twist tab mount	R-V200K-N1	\$0.50
250K, twist tab mount	R-V250K-N1	.50
2M, twist tab mount	R-V2M-N1	.50
500K, twist tab mount	R-V500K-N2	.50
1M Dual	R-V1MD-N2	.95
Switched Audio		
10K	R-V10K-N	\$1.50
250K	R-V250K-N2	1.50

Trim Potentiometers, Linear

PC mount, 0.60" overall body diameter		
500 ohm, CTS	R-VT500L	\$0.75
1K, CTS	R-VT1KL	.75
3K, CTS	R-VT3KL	.75
120K, Piher	R-VT120KL	.75
350K, CTS	R-VT350KL	.75

Dunlop



P-ECB-24C



P-ECB-24A



P-ECB-24B



R-VWAH-POT



R-VWAH-LP



R-VWAH-IBZ

KORG®



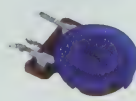
R-VS-500KA/R-VS-1MA



R-V10K-N



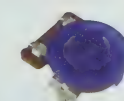
R-V100KD-N



R-VT500L



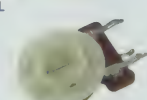
R-VT1KL



R-VT3KL



R-VT120KL

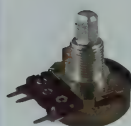


R-VT350KL

Potentiometers

call 480.820.5411 or fax 800.706.6789/480.820.4643

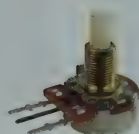




R-V100KA-PC



R-V5KA-PC



R-V25KA-LPC



R-V2MA



R-V10KL-FPC



R-V100KA-FPC



R-VD10KA-PC7



R-V100



R-V10KL-PC



R-V100K-10KL



R-V200KL-PC



R-V10KL-S



R-VNUT-38



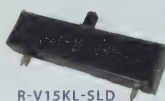
R-V10KA-DM



R-V100KL-16



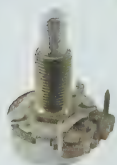
R-V10KL-SP



R-V15KL-SLD



R-V100



R-V500KL-FPC-KU



R-V2M

Kustom Potentiometers

Hardware not included. NOS, bushing lengths may vary slightly.

24 mm, 3/8" bushing diameter, PC mount and D shaft unless noted**Audio**

2K Audio	R-V2KA-PC-KU	\$0.95
5K, Noble	R-V5KA-PC	.95
10K, 7/16" bushing length	R-V10KA-PC7	.95
10K Audio	R-VD10KA-PC-KU	.95
10K, 7/16" bushing length, forward mount	R-V10KA-FPC5-KU	.95
25K, 1/2" bushing length, splined nylon shaft	R-V25KA-LPC	.95
50K	R-V50KA-PC	.95
50K screwdriver adjust	R-V50K1	.95
80K, 1/2" bushing length, splined nylon shaft	R-V80KA	.95
100K	R-V100KA-PC	.95
100K, forward mount, 5/8" bushing length	R-V100KA-FPC	.95
100K Audio, 5/8" bushing, forward mount, flat shaft	R-V100KA-FFC-KU	.95
500K	R-V500KA-PC	.95
500K, solder lug, splined metal shaft	R-V500KA-PM	.95
2M, forward mount, 5/8" bushing length, Noble	R-V2MA	.95
2 Meg, push-pull, switched, .185" shaft	R-V2M	.95

Dual Audio

10K, 7/16" bushing length, Noble	R-VD10KA-PC7	\$1.75
----------------------------------	--------------	--------

Linear

100 Linear, 1/4" diameter, carbon composition	R-V100	\$0.95
10K	R-V10KL-PC	.95
10K, 1/2" bushing length	R-V10KL-PC1	.95
10K, forward mount, 5/8" bushing length	R-V10KL-FPC	.95
10K Linear, 1/4" shaft	R-V10KL-PM1-KU	.95
100K	R-V100KL-PC	.95
100K Linear, 3/8" bushing, forward mount	R-V100KL-FPC	.95
200K	R-V200KL-PC	.95
500K, Noble	R-V500KL-PC	.95
500K Linear, forward mount	R-V500KL-FPC-KU	.95

Dual Linear

100K, solder lug, Noble	R-VD100KL-PM	\$1.75
100K top/10K bottom, solder lug, Noble	R-V100K-10KL	1.75

Switched pots, 24 mm, 3/8" bushing diameter, PC mount

10K Linear, push/pull, on/off, Noble	R-V10KL-S	\$2.50
--------------------------------------	-----------	--------

Nut and Washer

For 3/8" pots	R-VNUT-38	\$0.60
---------------	-----------	--------

16 mm, 3/8" bushing diameter, PC mount and D shaft unless noted**Audio**

2M, flatted shaft, 5/8" bushing length, forward mount	R-V2MA-FPC-16	\$0.95
---	---------------	--------

Dual Audio Spiders

10K, 5/32" bushing diameter, 3/16" splined nylon shaft diameter	R-V10KA-DM	\$1.50
50K reverse, 5/32" bushing diameter, 3/16" splined nylon shaft diameter	R-V50KRA-SP	1.50

Linear

10K, flatted shaft	R-V10KL-FPC-16	\$0.95
100K, forward mount, 5/8" bushing length	R-V100KL-16	.95

Slides, Linear

10K, 118 mm	R-V10KL-SP	\$1.50
10K, 88 mm, solid 15 mm tab	R-V10KL-SPS	1.50
15K, 52 mm	R-V15KL-SLD	1.50

Chicken Head

High quality, with set screw & brass insert. 1¼" length. Sold individually.

Black	P-K300	\$1.25
Brown	P-K300BN	1.25
Blue	P-K300BU	1.25
Cream	P-K300C	1.25
Green (Light Green)	P-K300G	1.25
Green (True Green)	P-K300GRN	1.25
Hot Pink	P-K300HP	1.25
Purple	P-K300P	1.25
Red	P-K300R	1.25
Tan	P-K300T	1.25
White	P-K300W	1.25
Wine	P-K300WN	1.25
Yellow	P-K300Y	1.25



Knobs

Basic Knobs

Set screw with brass insert ¼" shaft.

.75" diameter x .5" tall	P-K344	\$1.25
1.0" diameter x .6" tall	P-K345	1.30
1.06" diameter x .6" tall	P-K349	1.30
.78" diameter x .45" tall	P-K352	1.10
.91" diameter x .5" tall	P-K348	1.25
1.07" diameter x .6" tall	P-K353	1.30
1.31" diameter x .62" tall	P-K354	1.35
1.77" diameter x .80" tall	P-K355	1.45



Dunlop Knobs

Knob, 1" base diameter, 0.60" height	P-ECB-130	\$1.85
Knob cover, 1" outer diameter, 0.70" height	P-ECB-131	1.65

Dunlop



Aluminum Knob

Knurled

Chrome, positive grip, notched tip indicator, fits ¼" shaft with set screw, ¾" diameter	P-K310	2.95
Chrome, positive grip, notched tip indicator, fits ¼" shaft with set screw, 1¼" diameter	P-K312	3.50
Black, positive grip, notched tip indicator, fits ¼" shaft with set screw, ¾" diameter	P-K311	2.95
Black, positive grip, notched tip indicator, fits ¼" shaft with set screw, 1¼" diameter	P-K313	3.50



call 480.820.5411 or fax 800.706.6789/480.820.4643

Gibson

P-K504

P-K502

P-K500

P-K503

P-K501

P-K506

P-K505

P-K507

P-K510

P-K512

P-K511

P-K513

P-K515

P-K514

P-K516

P-K517

P-K518

P-K519

P-K520

P-K521

P-SW03

P-SW04

P-SW05

W-SC-W03

W-SC-W04

W-SC-W08

W-SC-W07

Original Gibson® Guitar Knobs

Speed Type

Black. Package of 4	P-K500	\$12.95
Gold. Package of 4	P-K501	12.95

Top Hat Type

Black. Package of 4	P-K502	12.95
Gold. Package of 4	P-K503	12.95
Vintage amber. Package of 4	P-K504	12.95
Black with silver metal insert. Package of 4: 2 volume; 2 tone	P-K505	12.95
Black with gold metal insert. Package of 4: 2 volume; 2 tone	P-K506	12.95
Gold with gold metal insert. Package of 4: 2 volume, 2 tone	P-K507	12.95

Retro-fit Knobs for Gibson®

Speed Type

White - package of 2	P-K516	4.20
Black - package of 2	P-K517	4.20
Gold - package of 2	P-K518	4.20

Top Hat Type

Black with chrome top - 2 volume, 2 tone	P-K510	\$9.95
Black with gold top - 2 volume, 2 tone	P-K511	9.95
Cream with chrome top - 2 volume, 2 tone	P-K512	9.95
Cream with gold top - 2 volume, 2 tone	P-K513	9.95
Gold with chrome top - 2 volume, 2 tone	P-K514	9.95
Gold with gold top - 2 volume, 2 tone	P-K515	9.95
Black - package of 4	P-K519	6.95
Amber - package of 4	P-K520	6.95
Cream - package of 4	P-K521	6.95

Original Gibson® Switch Cap

Original Gibson® switch cap for toggle, black	P-SW03	\$3.50
Original Gibson® switch cap for toggle, white (ivory)	P-SW04	3.50
Original Gibson® switch for toggle, vintage amber	P-SW05	3.95

Switchcraft® Switch Cap

Switchcraft® switch cap for toggle, black	W-SC-W03	1.75
Switchcraft® switch cap for toggle, white	W-SC-W04	1.75
Switchcraft® switch cap for toggle, amber	W-SC-W08	1.75
Switchcraft® switch cap for toggle, ivory	W-SC-W07	1.75

Fender® Guitar Knobs

Strat, white. Package of 3: 1 volume, 2 tone	P-K330	\$5.50
Strat, aged white. Package of 3: 1 volume, 2 tone	P-K330-AG	5.50
Generic, cream, volume for Strat	P-KV800-C	.50
Strat, black. Package of 3: 1 volume, 2 tone	P-K331	5.50
Tele, chrome dome. Package of 2	P-K332	14.95
Tele/P-Bass barrel. Chrome. Package of 2	P-K350	13.95
J-Bass knob set. Black. Package of 3	P-K351	6.95
Set screws for knobs. Package of 12	S-H106	4.25



Knobs

Retro-fit for Fender® Guitar Knobs

Strat, 1 volume, 2 tone, black	P-K522	\$3.50
Strat, 1 volume, 2 tone, cream	P-K523	3.50
Strat, 1 volume, 2 tone, white	P-K524	3.50
Tele, chrome dome, knurled, package of 2	P-K525	5.75



Fender® Switch Caps

Tele, black, switch tip. Package of 2	P-K334	\$3.95
Tele, black "Top Hat" tip. Package of 2	P-K338	8.35
Strat, white, switch tip. Package of 2	P-K335	3.25
Strat, Black, switch tip. Package of 2	P-K336	3.25
Strat, aged white, switch tip. Package of 2	P-K337	3.25



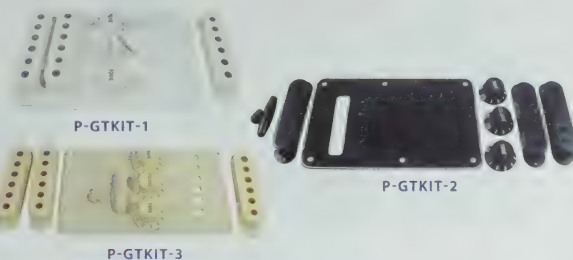
Retro-fit for Fender® Switch Caps

Strat, switch tip, black. Package of 3	P-K526	\$3.50
Strat, switch tip, cream. Package of 3	P-K527	3.50
Tele, switch tip, black. Package of 3	P-K528	5.50



Accessory Kit for Strat

2 tone knobs, 1 volume knob, 3 pickup covers, 1-ply backplate, tremolo arm tip and switch tips. White	P-GTKIT-1	\$17.95
2 tone knobs, 1 volume knob, 3 pickup covers, 1-ply backplate, tremolo arm tip and switch tips. Black	P-GTKIT-2	17.95
2 tone knobs, 1 volume knob, 3 pickup covers, 1-ply backplate, tremolo arm tip and switch tips. Aged white	P-GTKIT-3	17.95



Original Gretsch® Knobs

"G" with arrow, gold, package of 4	P-K360	\$43.90
"G" with arrow, chrome, package of 4	P-K361	39.75
"G" with arrow, nickel, package of 4	P-K362	39.75
Arrow only, gold, package of 4	P-K363	45.90
Screw-on strap buttons, gold, package of 2	P-K364	8.65
Screw-on strap buttons, chrome, package of 2	P-K365	8.65
Switch knobs, chrome, package of 2	P-K366	7.50



call 480.820.5411 or fax 800.706.6789/480.820.4643



Fender



Original Fender® Amp Knobs

Package of 6

Skirted, 1-10, set screw	P-K314	\$17.95
White Vintage, set screw	P-K315	15.50
Brown Vintage, set screw	P-K316	15.50
Chicken head, black, set screw	P-K318	14.95
Skirted Roc Pro, black, push on	P-K319	17.95
Red Pointer, push on	P-K320	10.95
Black Pointer, push on	P-K321	10.95

Marshall

P-K400
P-K401
P-KM100
P-KM200



Marshall™ Knobs

Gold cap, set screw, 5/8" height. Set of 8	P-KM100	\$11.95
Brown with gold cap. Set screw, 5/8" height. Sold Individually.	P-K400	2.50
Gold cap, push-on, 5/8" height. Set of 8	P-KM200	11.95
Brown with gold cap. Push on, 5/8" height. Sold Individually.	P-K401	2.50
IBS Bass. Set of 5. Push on	P-KM300	11.95

Basic Amp Knobs

Sold individually

Generic version of P-K314, Set screw	P-K314-1	\$1.95
Similar to P-K314 with brass insert, larger barrel, Set screw	P-K326	1.75
White, generic version of P-K315, Set screw	P-K315-1	1.50
Brown generic version of P-K316, Set screw	P-K316-1	1.50
Black Generic, Set screw	P-K325	1.50
Black with gold cap. Set screw, 3/4" height	P-K340	2.25
Black with silver cap. Set screw, 3/4" height	P-K342	2.25
Black with silver cap. Push on, 3/4" height	P-K343	2.25

Vox® Knob

Chicken head knob, black, original Vox®. Push on	P-KV11	\$3.75
--	--------	--------

Ampeg Amp Knobs

Sold individually. Push on

Stove knob for large pots. 1/4" D-shaft	P-K322	\$2.75
Stove knob for smaller pots	P-K323	2.75
Classic knob. 1/4" D-shaft	P-K324	4.50
Stove knob for large pots, small shaft, 0.86" long	P-K346	2.75
Vintage style, flat with D-shaft. 0.83" bottom diam.	P-K347	3.50

Peavey® Knobs

Push on, except where noted

Grey - AMR-88-4	P-K420	\$2.50
Coral - AMR-88-4	P-K424	2.75
Black with grey line	P-K421	2.75
Hi/Rev control bottom	P-K423	2.50
Graphic knob, black/grey - slot mount 4mm x 1mm	P-K425	.75
Control, 1 1/2" diameter, 2 set screws	P-K426	3.95
Light grey	P-K427	2.10
Black pointer with white line	P-K428	1.95
Black with white indicator	P-K429	2.25
Fader, slide black with grey line - slot mount 4mm x 1mm	P-K430	3.25

Korg® Knobs, Round & Block

Push on except where noted

7/8" shaft diameter x 1/2" tall. Black with white line	P-K107	\$3.75
7/8" shaft diameter x 1/2" tall. Taupe with black line	P-K111	3.75
7/8" shaft diameter x 1/2" tall. Gray with white line	P-K112	3.75
1/4" shaft diameter x 1/2" tall. Gray with white line	P-K113	3.75
Knob round, group of 4, for M1/T-3	P-K108	3.75
Knob block, X-0180, for B-1	P-K109	3.75
Knob block, X-0180, for A-1	P-K110	12.75



P-K107



P-K111

KORG®

P-K112



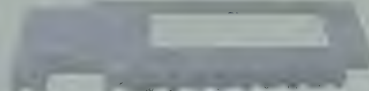
P-K113



P-K108



P-K110



P-K109

Kustom Surplus Knobs

May have cosmetic imperfections. Push on except where noted

Black plastic, D shaft, silver insert, 0.69" diameter, 0.56" tall	P-K151	\$0.95
Black plastic, D shaft, white/gray insert, 0.69" diameter, 0.56" tall	P-K152	.95
Black metal, 0.70" diameter, 0.65" tall, D shaft	P-K601	1.25
Black bakelite, 1.25" outer diameter, 0.95" inner diameter, 0.25" shaft. Screw on	P-K602	2.95
Black metal, 0.95" diameter, 0.625" tall, D shaft	P-K603	1.75



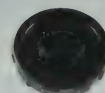
P-K151



P-K152



P-K601



P-K602



P-K603

Reproduction Philco Molded Plastic Knobs

Rosette Knobs used on 1931-32 Philco Cathedral. With set screw to fit 1/4" shaft.

1 1/4" diameter tuning knob, brown	P-K175	\$6.95
7/8" diameter, brown	P-K176	6.95
1 1/8" diameter skirt, 7/8" diameter face	P-K177	6.95

Hex-shaped knobs. Used on 1933-34 Philcos. With set screw to fit 1/4" shaft.

1 1/4" diameter tuning knob, brown	P-K178	\$6.95
1 3/8" diameter, black	P-K179	6.95



P-K175



P-K176



P-K177



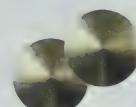
P-K178



P-K179

Zenith Knobs

Transoceanic Brights. For H 500 & 600 series, 5/8" diameter. Package of 2	P-K985	\$6.95
Ivory push-button - 7/8" x 7/8" diameter	P-K923	1.95



P-K985



P-K923

Knob Springs

Assortments of knob springs for half moon shaft. All are "D" shaped. Sold in package of six.

3/8" high x 3/32" overall diameter	P-KS215	\$0.72
3/8" high x 1/32" overall diameter	P-KS221	1.20



Radio Knob Felt

Premium quality wool felt washers. Medium brown in color, these washers will resist wear and hold their shape over time. All have center holes punched. Most have 1/4" interior diameter. Sold in package of 5 per size.

3/4" overall diameter	P-H200	\$1.80
7/8" overall diameter	P-H201	1.95
1" overall diameter	P-H202	2.10
1 1/4" overall diameter	P-H203	2.25



call 480.820.5411 or fax 800.706.6789/480.820.4643

Cliff Jacks

1/4", highest quality

Mono input, 4 solder terminals, switched. Metal ferrule, vintage style. Used in British amps.

S-H501 \$2.25

Mono input, 4 PC terminals

S-H501-PC 2.25

Stereo input, 6 PC terminals

S-H501-PC-S 2.55

Mono input, 4 solder terminals, switched. Used in modern Marshall™ amps with black plastic nut.

S-H502 1.95

Same as above (S-H502) but with gold terminals

S-H502G 2.35

Mono input, 4 PC board terminals, switched. Replacement for Marshall™, Ampeg®, Crate and more.

S-H503 1.95

Mono input, 4 PC board terminals, switched, L-leg mounting. Replacement for GK and Fender®.

S-H503L 2.10

Stereo input, 6 PC board terminals, switched. Used in many PS & recording consoles, Marshall™ bass heads & "rack" units.

S-H504 1.95

Stereo input, 6 PC board terminals, switched, L-leg mounting. Replacement for GK and Fender®.

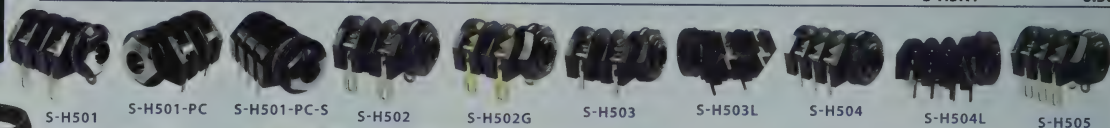
S-H504L 2.25

Same as S-H504 but with 6 solder lugs

S-H505 2.25

Black plastic hex nut for S-H502, S-H503, S-H504 and S-H505

S-H5NT 0.50



S-H5NT

S-H501

S-H501-PC

S-H501-PC-S

S-H502

S-H502G

S-H503

S-H503L

S-H504

S-H504L

S-H505

S-H552

S-H554

S-H556

S-H551

S-H553

S-H555

S-H601

S-H601A

S-H601B

S-H601C

Marshall

KORG®

S-H530

S-H531

S-H532

S-H533

Fender®

S-H506/S-H506-A

S-H509

S-H512

S-H508

S-H507/S-H507-A

S-H510

Dunlop

P-ECB-18

White Cliff Jacks

1/4", highest quality

Mono input, 4 solder terminals, unswitched

S-H551 \$2.50

Mono input, 4 solder terminals, switched

S-H552 2.15

Stereo input, 6 solder terminals, unswitched

S-H553 2.50

Stereo input, 6 solder terminals, switched

S-H554 2.50

Mono input, 4 PC board terminals, switched

S-H555 2.15

Stereo input, 6 PC board terminals, switched

S-H556 2.15

Plastic Jacks

1/4", metal ferrules, switched.

Mono input, 4 solder terminals, vintage style

S-H601 \$1.25

Mono input, 4 PC mount terminals

S-H601A 1.25

Stereo input, 6 solder terminals

S-H601B 1.25

Stereo input, 6 PC mount terminals

S-H601C 1.25

Original Marshall™/Korg®

Input with 6 terminals, PC mount

S-H530 \$5.95

Input, MG series, PC mount

S-H531 3.95

Input with 3 terminals, PC mount

S-H532 3.95

Stereo, switched, PC mount, 4 terminals

S-H533 3.95

Fender® 1/4" Jacks

PC mount jack. Mono 4 pin. c. 1988 - 1999

S-H506 \$4.70

Same as above, but generic

S-H506-A 1.60

PC mount jack. Stereo 9 pin. c. 1988 - 1999

S-H507 5.90

Same as above, but generic

S-H507-A 1.65

Rear stereo jack. c. 1999 to present

S-H508 2.95

Rear mono jack. c. 1999 to present

S-H509 2.95

PCB mono closed circuit

S-H512 4.50

Hex nuts for Rear jacks. Package of 12

S-H510 4.40

Dunlop Jack

Stereo jack

P-ECB-18 \$3.35

Switchcraft® Jacks

¼" female. Open circuit. Replacement for Fender®.	W-SC-11	\$1.70
¼" female. Open circuit. Generic, like Switchcraft® #11. Made in Taiwan	W-SC-11-T	.95
¼" female. Same as W-SC-11 but has longer bushing	W-SC-L11	2.05
¼" female. Shorting type.	W-SC-12A	1.85
¼" female. Shorting type. Generic, like Switchcraft® 12A. Made in Taiwan	W-SC-12A-T	1.05
¼" female. Same as W-SC-12A but has longer bushing	W-SC-L12A	2.10
¼" female. Stereo Double Open Circuit	W-SC-12B	2.10
¼" phone. Isolated make circuit.	W-SC-13	3.95
RCA panel mount female jack. Good Fender® replacement	W-SC-3501FR	2.50
Threaded, ⅜" diameter		
½" mounting hole for ¼" plug	W-SC-152B	6.95

Switchcraft®



Jacks

RCA Phono Jacks

Gold, black band, front mount	S-H267B	\$2.50
Gold, red band, front mount	S-H267R	2.50
Gold, white band, front mount	S-H267W	2.50
Gold, black band, rear mount	S-H268B	2.50
Gold, red band, rear mount	S-H268R	2.50
Gold, white band, rear mount	S-H268W	2.50



Peavey® Jacks

6-pin DIN, chassis	S-H520	\$2.70
2 tip HID, non-insulated, metal bushing	S-H521	1.70
2 tip HID, insulated, plastic bushing	S-H522	1.95
Stereo, insulated, plastic bushing	S-H523	2.50
Stereo, HID, non-insulated metal bushing	S-H524	2.50
12½ mm, mono, non-insulated, rear, PC mount	S-H525	2.65
12½ mm, stereo, insulated, rear, PC mount	S-H526	2.70
Stereo HID, insulated	S-H527	2.75
XLR, female insert	S-H528	2.75



Kustom Jacks

Limited supply.

Phono, male	S-H515	\$0.85
7 pin, DIN C	S-H516	.85



Phono Jack Boards

Jack, shorted phono, quad	S-H314	\$0.50
Single, round. 1" diameter. Replacement for Fender® Tweeds	W-HHS-1203	1.50





G&H 1/4" Plugs

Made by G&H Industries. High quality, oxygen-free copper core phone plugs. Made in USA

Standard mono. Nickel plated	P-H50	\$2.20
Right angle mono. Nickel plated	P-H60	3.95
Jumbo mono. Nickel plated	P-H80	4.95
Standard mono gold plated plug and nickel housing	P-H51	4.85
Standard stereo plug. Nickel plated	P-H70	3.95
The "quiet plug." Nickel plated. Spring loaded ground sleeve	P-H90	4.25

Switchcraft®



Switchcraft® Plugs

1/4" right angle plug. For Fender®	W-SC-228	\$4.95
1/4" right angle, flat, for Fender®. Generic, not Switchcraft®	P-H228	2.95
1/4" right angle, rounded	W-SC-226	4.95
1/4" straight, 2 conductor, shielded	W-SC-280	2.50
XLR female	W-SC-A3F	3.95
XLR male	W-SC-A3M	3.95
Equivalent to Speakon™ plug	W-SC-HPCC4F	4.95
RCA Plug. For Fender®	W-SC-3502A	2.40

Fender®



F Cap & Plug for Fender®

1/4" straight plug, open back, mono.

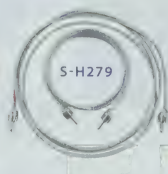
Used in conjunction with Fender® F-cap

P-H55 \$7.35

F-cap, black plastic.

Similar to that used on old Fender® amps

P-H55F 3.60



RCA Cables / Wires

Dual, 6 foot	S-H270	\$0.50
Right angle dual, 3 foot	S-H273	2.95
Right angle dual, 6 foot	S-H276	4.25
One 3 foot and one 5 foot shielded wire, vintage style	S-H279	19.95

Switchcraft® Grab Bag

Grab bag of miscellaneous Switchcraft® parts. At least 10 pieces per bag.

W-SC-GBAG \$2.50



Jack Plates/Cups

XLR female, circular panel mount. Switchcraft®	W-SC-C3F	\$10.30
XLR male, circular panel mount. Switchcraft®	W-SC-C3M	7.95
XLR female, panel mount. Switchcraft®	W-SC-D3F	3.50
XLR male, panel mount. Switchcraft®	W-SC-D3M	3.50
Equivalent to Speakon® panel mount. Switchcraft®	W-SC-HPCP41F	3.35
¼" jack plate, switchable, stereo/mono, for back of cabinets. Original Marshall™	S-H800	39.95
¼" jack plate, mono, for back of cabinets. Original Marshall™	S-H801	49.95
Jack cup for input jack on speaker cabinets. Original Marshall™	P-H150	7.15

Plug and play jack plate. This unit eliminates the confusing switch found on most stereo cabinets. Just pick your impedance and plug in. Customizable label set at the common 4/16 ohm mono and 8 ohm stereo. Ready to install with a steel dish, wires, and speaker connectors. Direct replacement for many existing small jack dishes.

S-H700 14.95



W-SC-HPCP41F



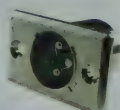
S-H801



P-H150



W-SC-C3F



W-SC-D3M



W-SC-C3M



S-H800

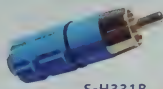


S-H700

RCA Phono Plugs

Male plugs. Ceramic body with gold plating. Sold Individually.

Black	S-H331B	\$1.85
Red	S-H331R	1.85



S-H331B



S-H331R

Individual Binding Posts

Accepts standard banana plug, test and phone tip plugs, spade lugs, alligator clips and bare wire. Gold plated.

Black	S-H266B	\$2.50
Red	S-H266R	2.50



S-H266B



S-H266R

Peavey® Binding Posts

PC mount.

Black	S-H277	\$3.75
Red	S-H278	3.75



S-H278



S-H277

Dual Binding Post

Red and black post, accepts either single or dual banana plugs. Mounts in two ½" holes on ¾" centers, panel thickness up to ¼". 15A rating, gold plated contacts.

S-H263 \$3.10



S-H263

Tip Jacks

Deluxe for standard .080" tip plug. Machined contact with turret terminal. Brass body, silver finish. 10A rating. For panels up to .437" thick.

Red	S-H260	\$1.75
Black	S-H261	1.75



S-H260



S-H261

Banana Plugs

Internal stud for solder or solderless connection. Body is hex brass, tip is four leaved, phosphor bronze, gold plated spring. Gold screw type.

Black	S-H264B	\$1.25
Red	S-H264R	1.25



S-H264R



S-H264B

Dual Banana Plugs

Mates with standard dual binding posts with ¾" centers and can be stacked for multiple connections. Polarity is indicated by rib. Screw connection.

Black and Red bands, heavy duty (Gold plated)	S-H269	\$2.50
---	--------	--------



S-H269

Toggle Switches

Carling™ SPST toggle power and standby switch. Good Fender® replacement. (110-63).
 Similar to above. Made in Taiwan. (M10x1.0)
 Carling™ SPDT 2 position toggle. Great Fender® ground switch replacement. (112-63).
 DPDT 2 position on-on
 Carling™ SPDT 3 position center off toggle. Great Fender® ground switch replacement.
 DPDT 3 position, on-off-on, screw terminals
 Original Marshall™. Chrome Plexi toggle switch
 Original Marshall™. Chrome nut for toggle switch (above)
 Original Vox® Switch, toggle. Power-standby, DPDT
 Original Fender®, DPST standby/power for '94 Twin amp and others!
 Original Fender®, SPDT ground for Fender® tube amps
 Original Fender®, SPST power for Fender® tube amps
 Original Fender®, SPST standby for Fender® tube amps

Mounting Hole Diameter

½"	P-H495	\$3.50
10mm	P-H495-T	1.65
½"	P-H494	3.95
½"	P-H35-146	6.95
½"	P-H496	3.95
½"	P-H35-148	6.95
½"	S-HM300	15.50
-	S-HM300N	3.50
½"	P-H504	14.25
½"	P-H512	7.45
½"	P-H513	3.95
½"	P-H514	3.95
½"	P-H515	3.25

P-H495

P-H495-T

P-H494

P-H35-146

P-H496

P-H35-148

S-HM300

S-HM300N

P-H504

P-H512

P-H513

P-H514

P-H515

P-H603

Start/Run Switch for Hammond Organs

DPST (On-Off / Off-On). Latching. ½" mounting hole diameter

P-H603 \$19.35

Rocker Switches

Black standby switch. DPST used in Marshall™ JCM series and others
 Lighted power switch. DPST used in Marshall™ JCM series and others
 Original Marshall™ DPST. Black rocker switch for MG amps
 Original Peavey™ DPST, rocker, lighted
 Original Peavey™ SPST rocker, can be used in Classic VTX
 Kustom Lighted rocker switch, On/Off/On DPDT, 5A/220V, Carling
 Universal Lighted, SPST, 10A, 125V, 3 terminals

P-H490	\$3.75
P-H491	5.25
P-H489	3.95
P-H508	9.50
P-H507	1.85
P-H403	.95
P-H510	2.20

P-H490

P-H491

P-H489

P-H508

P-H507

P-H403

P-H510

Selector Switches

Modern replacement for Marshall™, 4/8/16 ohms
 Original Marshall™ voltage selector, modern (style may vary)
 Vintage style selector switch male part, replacement for Marshall™

P-H1700	\$18.75
S-HM100	26.95
P-H502	7.45

P-H1700

S-HM100

P-H502

Slide Switch

Standard size.

11A-125VAC, 5A-125VDC, DPDT. Good for Fender® bright switch.
 Solder mount 1 3/8" x 1/2"

P-H35-242 \$1.15

P-H35-242

Rotary Switches

0.3A, 125VAC, solid 1/4" shaft.

1 pole, 12 position. Make before break (shorting)
 1 pole, 12 position. Break before make (non-shorting)
 2 pole, 6 position. Make before break (shorting)
 2 pole, 6 position. Break before make (non-shorting)
 1 pole, 3 position. Solid 1/4" shaft, 0.39" bushing diameter

P-H390	\$1.75
P-H391	1.75
P-H392	1.75
P-H393	1.75
P-H600	9.95

P-H390

P-H600

P-H392

Fender® Relay

DPDT, 24V, used in Blues Deluxe®, Blues Deville®, Hot Rod Deluxe®,
 Hot Rod Deville®

P-H516 \$2.50

P-H516

Fender

Foot Switches

Carling Technologies®

switching unless otherwise noted.

Carling™ SPST footswitch. Used in Fender®, etc. reverb/tremolo/channel switching pedals.

Peavey® footswitch, On/Off	P-H505	4.95
Carling™ SPDT footswitch. Used in footswitch boxes & effects pedals.	P-H492	7.15
Original Dunlop GCB-95 switch. Original Crybaby part for all Crybaby models	P-ECB-69	9.50
DPDT, PC mount for MXR	P-ECB-555	14.25
Carling™ DPDT footswitch, used in switching and effects units	P-H497	8.50
DPDT footswitch, same switch as P-H497 but made in Taiwan	P-H498	3.95
DPDT footswitch, PC mount, same switch as P-H497 but made in Taiwan and PC mount	P-H498-PC	3.95
3PDT footswitch	P-H501	6.95
DPDT momentary footswitch	P-H503	3.95
DPDT momentary footswitch, PC mount	P-H503-PC	4.25
Replacement for Boss Effects Pedals, SPST momentary push switch. Mounts in square hole approximately .55" x .55". 1.08" overall length.	P-H511	1.75



P-H503



P-H503-PC



P-H511



P-H493



P-H505



P-H492



P-ECB-69



P-ECB-555



P-H497



P-H498



P-H498-PC



P-H501

Gibson® Guitar Switches

Original Gibson® L-type toggle with cream cap	P-SW01	\$16.95
Original Gibson® Straight type toggle with cream cap	P-SW02	24.95



P-SW02



P-SW01

Switchcraft® Guitar Switches

switchcap not included

Switchcraft® L-type toggle, SPST, similar to Gibson® P-SW01	W-SC-W01	\$11.50
Switchcraft® Straight type toggle, SPST, similar to Gibson® P-SW02	W-SC-W02	11.95

Switchcraft®



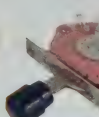
W-SC-W01



W-SC-W02

Fender® Guitar Switches

Fender® 3-way pickup selector used on American vintage Strats & Teles	P-SW50	\$10.95
Fender® 5-way pickup selector used on most American made Strats	P-SW51	8.95
Fender® 5-way superswitch	P-SW52	18.95
Fender® 4-way Tele mod	P-SW53	14.95
Tele, 3-way, black tip	P-SW60	6.25
Strat, 5-way, black top	P-SW61	6.25



P-SW50



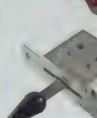
P-SW51



P-SW52



P-SW53



P-SW60



P-SW61

Wilkinson Guitar Switch

5-way pickup selector	P-SW56	\$9.75
-----------------------	--------	--------



P-SW56

Push Button Switch

Momentary, Alcoswitch. SPST ¼" mounting hole diameter	P-H487	\$0.95
---	--------	--------



P-H487

Original Korg® Switches

DPDT push switch, PC mount	P-MS212	\$4.25
Tact switch, SPST momentary. 0.25" width	P-MSTACT	4.25
Touch switch, SPST momentary. 0.24" width	P-MTS	1.75

KORG®



P-MS212



P-MSTACT



P-MTS

Switches

call 480.820.5411 or fax 800.706.6789/480.820.4643



Marshall



P-H470



P-H870



P-H470-LED



P-H874



P-H471



P-H871



P-H872



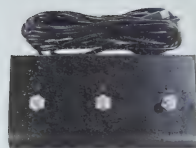
P-H873



P-H471-LED



P-H875



P-H473



P-H876



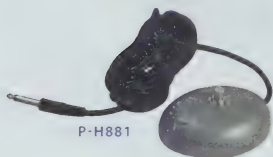
P-H877



P-H879



S-WKCABLE



P-H881



P-H880

Original Marshall™ and Replacement Footswitch Boxes

All with ¼" plugs except where noted.

One button, Marshall™ style	P-H470	\$13.95
One button original Marshall™	P-H870	25.95
One button, Marshall™ style with LED	P-H470-LED	14.95
One button, original Marshall™ with LED	P-H874	25.95
Two button, Marshall™ style	P-H471	19.95
Two button, original Marshall™ channel & reverb	P-H871	29.95
Two button, original Marshall™ channel & chorus	P-H872	29.95
Two button, original Marshall™ reverb & chorus for AS50R & AS80R	P-H873	29.95
Two button Marshall™ style with LED	P-H471-LED	20.95
Two button, original Marshall™ with LED, clean/O.drive and OD1/OD2, for VS100R & VS100RH	P-H875	34.95
Three button Marshall™ style with LED and 5 pin DIN	P-H473	21.50
Three button, original Marshall™ with LED, clean/O.drive; OD1/OD2 & chorus and 5 pin DIN	P-H876	34.95
Three button, original Marshall™ with LED and 6 pin DIN plug, for 6100 & 610	P-H877	174.95
Five button original Marshall™ with 6 pin DIN plug for TSL60, 100, 122, 601 & 602. Channel (clean, crunch, lead); reverb & FX	P-H879	149.95
Replacement cable for P-H879 (above)	S-WKCABLE	34.95

Vox® Footswitch Boxes

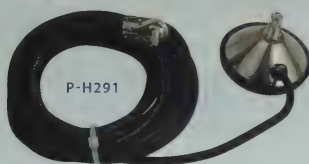
For AC30	P-H881	\$74.95
Two button for Pathfinder	P-H880	31.95

Original Fender® Footswitch Boxes

One button, vintage style w/RCA plugs	P-H270	\$32.95
One button, ¼" plug. Champion channel	P-H320	29.95
One button, ¼" plug. Blues Jr. (Fat)	P-H291	41.95
Two button, vintage style w/RCA plugs (Vib & reverb)	P-H271	44.95
Two button, ¼" plug. Vibroking (Fat & Vib)	P-H290	49.95
Two button, ¼" plug. Hot Rod Series (channel & drive)	P-H292	38.95
Two button, ¼" plug (channel & chorus)	P-H293	41.95



Fender



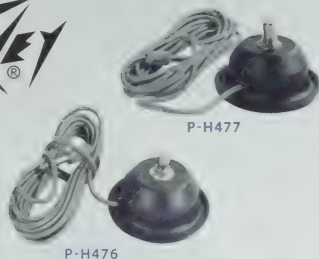
Footswitch Boxes

Peavey® Footswitch Boxes

¼" plug.

1-button, push on/off, 15' cable	P-H477	\$23.50
1-button, momentary, 15' cable	P-H476	25.95
2-button, stereo, select/effects and reverb	P-H474	24.50

PEAVEY



P-H476

Korg® Footswitch Controllers

ECS external controller for keyboards	P-H890	\$89.95
PS1 pedal switch	P-H891	38.95

KORG®



P-H890



P-H891

call 480.820.5411 or fax 800.706.6789/480.820.4643

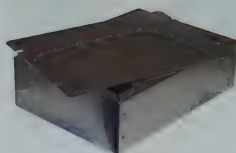




HAMMOND MANUFACTURING™

- Spot welded heavy duty construction chassis
- Steel Boxes are Painted ASA 61 Grey Baked Enamel Finish
- Aluminum boxes are natural finish

Chassis Boxes



Aluminum Chassis Boxes

Note: Dimensions shown are exterior measurements.

Thickness	Size	Box	Price	Cover	Price
.04"	6" x 4" x 2"	P-H1444-8	\$9.50	P-H1434-8	\$4.80
.04"	7" x 5" x 2"	P-H1444-12	10.40	P-H1434-12	4.70
.04"	10" x 6" x 2"	P-H1444-16	13.55	P-H1434-16	7.20
.04"	13.5" x 5" x 2"	P-H1444-18	14.35	P-H1434-18	7.65
.051"	12" x 8" x 2"	P-H1444-22	23.65	P-H1434-22	10.15
.051"	12" x 10" x 2"	P-H1444-29	23.80	P-H1434-29	10.15
.051"	17" x 10" x 3"	P-H1444-32	32.30	P-H1434-30	10.75

Note: Boxes and covers sold separately

20 Gauge Steel Chassis Boxes

Note: Dimensions shown are exterior measurements.

Size	Box	Price	Cover	Price
6" x 4" x 2"	P-H1441-8	\$10.25	P-H1431-8	\$5.20
7" x 5" x 2"	P-H1441-12	11.20	P-H1431-12	5.10
10" x 6" x 2"	P-H1441-16	14.65	P-H1431-16	7.75
13.5" x 5" x 2"	P-H1441-18	15.50	P-H1431-18	8.25
17" x 4" x 3"	P-H1441-20	25.65	P-H1431-20	8.35
12" x 8" x 2"	P-H1441-22	25.55	P-H1431-22	11.00
16" x 8" x 2"	P-H1441-26	25.75	P-H1431-26	11.00
12" x 10" x 2"	P-H1441-29	25.70	P-H1431-29	11.00
17" x 10" x 3"	P-H1441-32	34.85	P-H1431-30	11.60

Note: Boxes and covers sold separately

Black Powder Coated 20 Gauge Steel Chassis Boxes

Note: Dimensions shown are exterior measurements.

Size	Box	Price	Cover	Price
6" x 4" x 2"	P-H1441-8BK3	\$10.25	P-H1431-8BK3	\$5.20
7" x 5" x 2"	P-H1441-12BK3	11.20	P-H1431-12BK3	5.10
10" x 6" x 2"	P-H1441-16BK3	14.65	P-H1431-16BK3	7.75
13.5" x 5" x 2"	P-H1441-18BK3	15.50	P-H1431-18BK3	8.25
12" x 8" x 2"	P-H1441-22BK3	25.55	P-H1431-22BK3	11.00
12" x 10" x 2"	P-H1441-29BK3	25.70	P-H1431-29BK3	11.00
17" x 10" x 3"	P-H1441-32BK3	34.85	P-H1431-30BK3	11.60

Note: Boxes and covers sold separately

Steel Cages - 20 Gauge

Note: Dimensions shown are exterior measurements.

Size		
10" x 6" x 5.2"	P-H1451-16	\$36.30
12" x 8" x 5.2"	P-H1451-22	41.40
16" x 8" x 5.2"	P-H1451-26	43.20
17" x 10" x 5.2"	P-H1451-30	50.10




**HAMMOND
MANUFACTURING™**

- Aluminum boxes are natural finish
- Covers are punched with 4 countersunk holes – 3/16" diameter

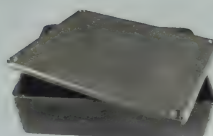
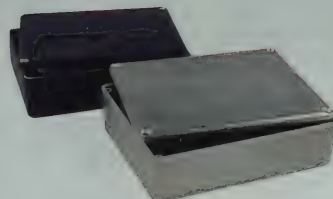
1590 Series Diecast Aluminum Enclosures

Countersunk lid with machine screws into drilled and tapped holes. Lap joint construction provides protection from dust and water. Vibra finished, no sharp edges.

NOTE: Add .016" to enclosure depth to compensate for the extra height of the lid.

6.34" x 1.52" x 1.06"D	P-H1590A	\$6.65
4.39" x 2.34" x 1.06"D	P-H1590B	7.60
4.67" x 3.68" x 1.18"D	P-H1590BB	9.85
4.67" x 3.68" x 1.18"D Black Powdercoat	P-H1590BBBK	12.80
4.72" x 3.70" x 2.07"D	P-H1590C	11.10
7.38" x 4.70" x 2.05"D	P-H1590D	18.15
7.38" x 4.70" x 3.07"D	P-H1590E	19.40
7.38" x 7.38" x 2.48"D	P-H1590F	26.05
3.94" x 1.97" x 0.83"D	P-H1590G	7.10
1.99" x 1.99" x 1.06"D	P-H1590LB	6.85
4.70" x 4.70" x 3.54"D	P-H1590V	20.85

Enclosures



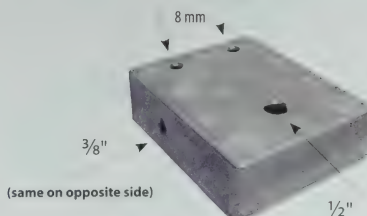
Diecast Aluminum Enclosure

4.39" x 2.34" x 1.06"D. Equivalent to Hammond 1590B	P-H1590BCE	\$5.95
4.67" x 3.68" x 1.18"D. Equivalent to Hammond 1590BB	P-H1590BBCE	6.95
4.77" x 2.60" x 1.39"D. Equivalent to Hammond 1590N1	P-H1590N1CE	6.25

Diecast Aluminum Enclosure - Predrilled

Same as Hammond 1590BB, but generic manufacture. Holes are punched for pots, footswitch and jacks. Hole diameters measure 1 x 1/2", 2 x 3/8", 2 x 8mm.

4.67" x 3.68" x 1.18"D	P-H1590BBCE-PD	\$9.95
------------------------	----------------	--------



Colored Boxes P-H1590BBCE

Same dimensions as the Hammond 1590BB in cool colors!

Black	P-H1590BBCE-BK	\$8.95
Green	P-H1590BBCE-G	8.95
Red	P-H1590BBCE-R	8.95
Orange	P-H1590BBCE-O	8.95
Purple	P-H1590BBCE-P	8.95



Ebtch Project Box (Model PBX)

Perfect for do-it-yourself switches or effect pedals. Cold rolled steel housing can withstand years of use and abuse. Easier to drill than cast aluminum enclosures.

Consists of main box enclosure, U-shaped top cover, 4 top cover screws and 8 adhesive rubber bump-ons.

4.375" x 3.125" x 1.25"D Black Powdercoat	P-HPBX	\$19.95
---	--------	---------



call 480.820.5411 or fax 800.706.6789/480.820.4643



S-W123 / S-W124

S-W125

S-W126

S-W122

S-W104

S-W105

S-W118

P-SP2-106

P-SP2-500

P-SP2-K-002

P-SP2-K-003

P-SP2-104

S-W102G

S-W102

P-H1200

P-H1300

W-10540

P-H11-402

P-H11-406

P-H199

S-W212

S-W206

Replacement Power Cords

	AWG	Conductors	Length		
Marshall™ replacement. IEC female end	18	3	8'	S-W123	\$4.95
Black, mates with P-SP2-106					
Same as above, but longer	18	3	12'	S-W124	7.25
Black, bare end	14	3	6.5'	S-W122	3.95
Black, bare end, replacement for most US made amps	16	3	8'	S-W125	4.50
Same as above, but longer	16	3	12'	S-W126	6.95
Brown, SPT-1, polarized	18	2	6'	S-W104	2.50
Brown, SPT-1, non-polarized, detachable	18	2	6'	S-W105	1.75
Black, SPT-1, non-polarized, tinned leads	18	2	6'	S-W118	3.25

I.E.C. Power Cord Receptacles

Mates with power cords S-W123 & S-W124.

Rated for 15A. UL listed	P-SP2-106	\$1.75
Rated for 15A. UL listed. With fuse holder and cap for 5 x 20mm fuses	P-SP2-500	1.85

Interlock Receptacles

Non-polarized	P-SP2-K-002	\$0.25
Polarized	P-SP2-K-003	.25

AC Cord Plug

UL rated. Flat, brown phenolic plug, 1¼" wide x 1⅜" deep	P-SP2-104	\$2.75
--	------------------	---------------

Braided Covered Power Cord

Brown 2 conductor, 18 gauge, stranded power cord, similar to woven cloth covered cords in early AC radios.

20 feet	S-W102-20	\$17.95
50 feet	S-W102-50	41.95
250 foot spool	S-W102-250	187.50
Gold. Sold by the foot	S-W102G	0.95/ft

Large dimension similar to above but with larger overall physical dimension to more accurately represent type of wire used on early AC radios.

Sold by the foot	S-W103	2.95/ft
------------------	---------------	----------------

Strain Relief

Rubber type for standard zip cord.

16/3 SJT, ⅝" cord diameter	P-H1200	\$0.50
For ⅜" x ⅝" chassis hole, ⅞" cord diameter. Fits most Fender® amps	P-H1300	.50
For ¼" diameter chassis hole, .18" x .11" wire space	P-H11-402	.50
Two conductor, nylon, .12" x .22" wire (SPT-1)	P-H11-406	.50
Snap bushing, ⅞" ID, ⅝" chassis hole, 0.4" height. Package of 5	W-10540	.50

Peavey® Cord Bracket

Cord bracket for wrapping power cable	P-H199	\$0.65
---------------------------------------	---------------	---------------

ProCo E-Cords

Extension cords designed for use in the entertainment industry. Power Block® 3 outlet connector. All black. Very flexible and durable. Made by Electricord®.

14 AWG, 3-outlet. 6 foot	S-W206	\$13.75
14 AWG, 3-outlet. 12 foot	S-W212	23.50



Jewels

Fits both P-L110 and P-L124 lamp holders

Red	P-L115	\$1.95
Green	P-L116	1.95
Amber	P-L117	1.95
Blue	P-L120	1.95
Purple	P-L121	2.25
Violet	P-L121V	1.95
Clear	P-L122	1.95
White	P-L123	2.25



Original Marshall™ Indicators

L x W x D

Indicator light, square. 6V	.44" x .44" x .27"	P-L14-6	\$5.95
Indicator light, square. 120V	.34" x .34" x .11"	P-L14-120	5.95

Marshall



Dial Lamps / Bulbs

Long life general replacement lamps for dials, indicators, etc. Packages of 10 except where noted.

Type	Volts	Amps	Base	Bulb		
40	6.3	.15	screw	T-3-1/4	P-40	\$3.00
41	2.5	.50	screw	T-3-1/4	P-41	3.00
42	3.2	.35	screw	T-3-1/4	P-42	3.00
43	2.5	.50	bayonet	T-3-1/4	P-43	3.00
44	6.3	.25	bayonet	T-3-1/4	P-44	3.00
45	2.5	.35	bayonet	T-3-1/4	P-45	3.00
46	6.3	.25	screw	T-3-1/4	P-46	3.00
47	6.3	.15	bayonet	T-3-1/4	P-47	3.00
48	2.0	.06	screw	T-3-1/4	P-48	3.00
49	2.0	.06	bayonet	G-3-1/4	P-49	3.00
50	7.5	.22	screw	G-3-1/4	P-50	3.00
51	7.5	.22	bayonet	G-3-1/4	P-51	3.00
53	14.4	.12	bayonet	G-3-1/4	P-53	3.00
55	7.0	.41	bayonet	G-3-1/4	P-55	3.00
57	14.0	.24	bayonet	G-3-1/4	P-57	3.00
81	6.5	1.02	bayonet	G-6	P-81	1.50 each
NE45	105/125	.002	screw	T-4-1/4	P-NE45	2.95 each
NE51	90/110	.0003	bayonet	T-3-1/4	P-NE51	1.95 each



Morley Replacement Bulb

Replacement for Morley effects pedals

P-LTX387 \$0.95

MORLEY®



P-LTX387



P-L110

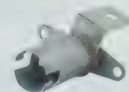
Lamp Sockets / Holders

For #44 & #47 lamps etc.

Pilot Lamp Holder. Replacement for Fender®	P-L124	\$2.25
Lamp holder	P-L110	2.95
Miniature bayonet lamp socket	P-L104	.75
Miniature bayonet lamp socket	P-L101	1.50



P-L124



P-L104



P-L110



call 480.820.5411 or fax 800.706.6789/480.820.4643



S-H200



S-H201



S-H205



S-H259



S-H203



S-H204

Fuse Holders/Cap

Marshall™ replacement. 5/8" x 1 1/8" snap-in	S-H200	\$3.65
Original Marshall™ fuse cap for 900 series	S-H204	3.50
Fender® replacement. 1/2" diameter chassis hole	S-H201	1.95
Basic replacement. 1/2" diameter chassis hole	S-H205	1.25
Peavey® cap for fuse holder	S-H203	1.95
Fuse block	S-H259	1.95

Fuses

1/4" diameter x 1 1/4" long. Protect your investment or hobby with the right fuse.
Fits fuse block S-H259 and fuse holders S-H201, S-H210 and S-H205. Package of 5 fuses.

Fast-Blo

1/4 amp	F-ZF005	\$2.25
1 amp	F-ZF010	2.25
1 1/2 amps	F-ZF015	2.25
2 1/2 amps	F-ZF020	2.25
3 amps	F-ZF025	2.25
4 amps	F-ZF035	2.25
5 amps	F-ZF040	2.25

Slo-Blo

1 amp	F-ZS010	\$3.00
2 amps	F-ZS020	3.00
3 amps	F-ZS025	3.00
4 amps	F-ZS035	3.00
5 amps	F-ZS040	3.00
6 1/4 amps	F-ZS045	3.00



F-ZF005

GMA Fuses

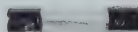
5mm x 20mm. Package of 5

Fast-Blo

2 amps	F-ZGMA-F2	\$3.75
3 amps	F-ZGMA-F3	3.75
4 amps	F-ZGMA-F4	3.75

Slo-Blo

2 amps	F-ZGMA-S2	\$2.75
3 amps	F-ZGMA-S3	2.75
4 amps	F-ZGMA-S4	2.75



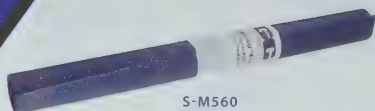
F-ZGMA-S2

Fish Paper

Gray insulating paper .010" thick, used in switches, under terminals, in transformers etc, where mechanical strength is required. Dielectric strength 3,000 volts.

9" wide roll contains 250 sq. inches

S-M560 \$5.25



S-M560

Insulating Cambric

Yellow varnished cambric .010" thick, used in switches, under terminals, in transformers, field coils, chokes etc. Dielectric strength 5,000 volts.

9" wide roll contains 210 sq. inches

S-M549 \$5.95



S-M549

Insulators

While Supplies Last

Old style insulator for antenna installations, molded plastic

S-H2130 \$1.50



S-H2130

Conventional Phonograph Needles

For all set screw and thumb screw cartridges. Straight steel needles, good for 12 plays each.

Package of 25

S-P119 \$3.50



S-P119

Phono Cartridge Connector Assortment

25 pieces

S-P002 \$0.45



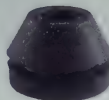


S-P002

Vibrapods

Enhance your listening sessions! These affordable vibration isolators improve bass definition and depth, dynamics, imaging, detail, resolution, ambience, clarity and sound stage. Four different models support from 2 to 28 pounds each. All are 2½" diameter x ¾" high. Temperature range from 50°F to 100°F.

Suggested Uses

Model 1	Weight range of 2 - 3 lbs each, recommended weight is 2½ lbs.	CD, DVD, Laserdisc players & transports, DSS receivers, DAC's, preamps, amplifiers & speakers	S-VIBRA1	\$5.50	
Model 2	Weight range of 4 - 8 lbs each, recommended weight is 6 lbs	CD, DVD, Laserdisc players & transports, DSS receivers, DAC's, preamps, amplifiers & speakers	S-VIBRA2	5.50	
Model 3	Weight range of 8 - 12 lbs each, recommended weight is 10 lbs	Heavy amps or speakers	S-VIBRA3	5.50	
Model 4	Weight range of 14 - 18 lbs each, recommended weight is 16 lb	Heavy amps or speakers	S-VIBRA4	5.50	
Model 5	Weight range of 22 - 28 lbs each, recommended weight is 25 lbs	Extremely heavy amps or speakers	S-VIBRA5	5.50	
Vibracone	Double truncated vinyl cone, 7/16" chrome stationary ball (it doesn't roll), 1.1" tall, 1¾" diameter, 25 lbs max. weight each	Designed to work with Vibrapod® Isolators or by themselves	S-VIBRACONE	6.95	

Rubber Grommets

Protect electrical wires and cables from sharp edges in holes drilled through chassis boxes. Package of 5.

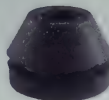
Chassis Hole Diameter	Grommet Hole Diameter	Groove Height		
¼"	5/32"	1/16"	P-G014	\$0.95
3/8"	¼"	1/16"	P-G038	1.25
5/16"	3/16"	1/16"	P-G516	1.50
7/16"	¼"	1/16"	P-G716	1.50
7/16"	5/16"	1/16"	P-G717	1.95
½"	3/8"	1/16"	P-G005	1.95



Motor Mounting Grommets

Rubber grommets for mounting phonograph motors. Package of 9.

½" dia, 5/16" high and ¼" inner dia **P-R407** **\$4.95**



Rubber Chassis Mount Washers

¼" inner diameter. Sold individually.

1¼" diameter x 1/8" thick	P-H182	\$1.20
1¼" diameter x ¼" thick	P-H183	1.40
7/8" diameter x 1/8" thick	P-H185*	1.30
7/8" diameter x ¼" thick	P-H186	1.25
1½" diameter x 3/8" thick	P-H187*	1.40



*P-H185 and P-H187 have adhesive backing for laminating to other washers to increase the thickness.

Old Style Spaghetti

White fiberglass sleeving is varnished and closely resembles early style spaghetti. Available in two sizes. Sold by the foot. 10 foot minimum per size.

20 AWG	S-M436W	\$0.50/ft
11 AWG	S-M401W	0.60/ft

Heat Shrinkable PVC Tubing

Shrinks to half its original size when heated by heat gun, soldering iron or just a match. Use for insulating terminals, connectors and wire splices. Comes in 6" lengths in quantity shown.

Original Diameter	Qty/Bag		
.187"	27	S-M12-1046	\$4.50
.250"	23	S-M12-1048	4.50
Assorted	23	S-M12-1080	4.50



S-M12-1080

S-M401W

S-M436W

Heat Shrink Tubing Assortment

Assortment of 2" heat shrink in many colors and sizes.

Shrinks to 50% of its original size **S-M14** **\$1.25**



S-M14

Sleeving

1" "expando mesh". Sold by the foot **S-M100** **\$0.75/ft**



S-M100



K-MOD101

Mod 101 Guitar Amp Kit

This kit was designed for those who want to build their own basic tube guitar amplifier head with the ability to play at concert volume (60 Watts output power). You can build it for two EL34 or 6L6GC power tubes. The modification friendly layout and easy to follow instructions allow you to tailor the amp to suit your unique tonal preference with 32 variations of the circuit. The circuit is basic and classic. It produces warm clean tone at low volume and rich overdrive distortion at higher volume. The output impedance switch allows you to use the amp head with the speaker cabinet of your choice. All parts are included along with the pre-drilled steel chassis, wire and tubes. You will need your own tools and solder.

K-MOD101

\$495.00



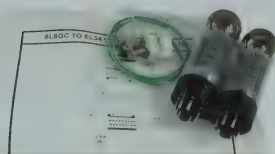
K-700

Bass to Tremolo Conversion Kit

This kit was designed for the guitarist who owns a silver-face Bassman and rarely uses the bass instrument channel. Turn the bass instrument channel into a foot-switchable vintage tremolo effect for the normal channel. The kit comes with parts and easy to follow instructions. You will need your own tools and solder.

K-700

\$25.95



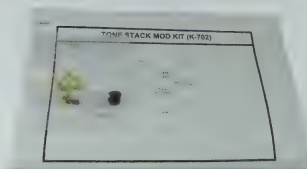
K-701

6L6GC To EL34 Conversion Kit

This kit is for the guitarist who owns a vintage Fender® amp that uses two 6L6GC's and wants to be able to use EL34 tubes in their place. The kit comes with parts, tubes and easy to follow instructions. You will need your own tools and solder.

K-701

\$38.95



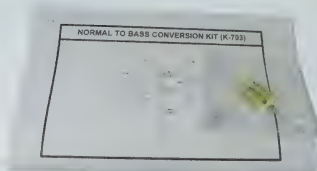
K-702

Tone Stack Mod Kit

This kit is for those guitarists who want to experiment with spicing up the tone of their vintage silver-face or black-face Fender® amp by modifying the tone stack components. The kit comes with parts and easy to follow instructions. You will need your own tools and solder.

K-702

\$16.95



K-703

Normal to Bass Conversion Kit

This kit was designed for those who play both guitar and bass. Turn the Normal Channel in your silver-face or black-face Fender® amp into the Bass Instrument channel. The kit comes with parts and easy to follow instructions. You will need your own tools and solder.

K-703

\$16.95



K-704

Original Fender® Mid Boost Kit

This kit includes all of the parts needed to upgrade your guitar with the Mid Boost Preamp used on the Buddy Guy and Eric Clapton Strats. Includes PCB ASSY Clapton preamp, Control 50K audio, Control 350K special taper, washer, jack output OPN stereo surge, TBX tone control, schematic wiring diagram.

K-704

\$55.95



K-900

The Rattler™ Effects Pedal Kit

Build your own distortion effects pedal! Easy to build, point-to-point wiring. Tone similar to the Vintage '60s and '70s effects pedals. Pre-drilled diecast aluminum boxes. Comes with variable components to customize your tone! Uses 9-volt battery which is not included.

12 oz

K-900

\$49.95

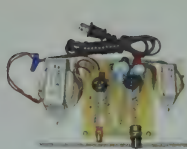
www.modampkits.com

Antique Electronic Supply www.tubesandmore.com

Monoblock Amplifier Kit

Uses 11MS8 tubes included in the kit. Also includes board for mounting PC board and transformers.

Input Impedance	Output Impedance	Power Output	Minimum Frequency Response	Input for Full Output	Total Harmonic Distortion	Weight		
100K ohms	8 ohms	8 watts	20 to 20,000 Hz	0.3V	@1 W <1%	5 lbs 1 oz	K-501	\$119.95



K-501

Stereo Integrated Amplifier Kit

Uses 11B8M tubes included in the kit. Also includes board for mounting PC board and transformers.

Input Impedance	Output Impedance	Power Output	Minimum Frequency Response	Input for Full Output	Total Harmonic Distortion	Weight		
100K ohms	8 ohms	8 watts per channel	20 to 20,000 Hz	0.3V	@1 W <1%	6 lbs 10 oz	K-502	\$195.95

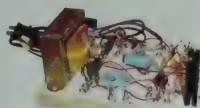


K-502

Power Supply Kit for Early Battery Radio

Input: 120V, 60 Hz. "A" Output: Adjustable and regulated 1.5 to 7.5 volts, 1.5 Amps. "B" Output: 22, 45, 67, 90, and 135 volts regulated up to 50 mA. "C" Output: Adjustable, 0 to 22 volts. Regulated. Kit includes transformer, rectifiers, capacitors, resistors, transistors, I.C. regulator and all hardware and white pine board. Easy to follow instructions for assembly.

3.0 lbs **K-101A** **\$53.95**



K-101A

Wireless Transmitter Kit

Now your antique radio can play some of the same programs it did when it was new! With your cassette tape player, phonograph or high output microphone, this one-tube transmitter becomes a miniature AM broadcasting station, patterned after the 1939 Zenith model S-7000 Wireless Record Player. Assemble on a 4" x 6½" breadboard, all parts and instructions included.

2.0 lbs **K-488** **\$39.95**



K-488

Two Tube Regenerative Radio Kit with RF Amp

Broadcast bands to 8 MHz. Operates on a 1.5V "C" size and 45V (S-Z415) battery and two 1T4 tubes (order these items separately). RF amplifier stage boosts input signal and prevents radiation to feed-back into antenna, typical of regenerative receivers. Kit includes pre-drilled base and front panels, dial panel, variable capacitor, coil form, coil wire, knobs, hook-up wire and hardware.

4¼" x 7¾" x 4¾" 1 lb **K-925** **\$42.95**

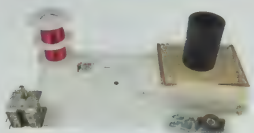


K-925

Antenna Trap Kit

Very useful for crystal, TRF and regenerative radio experimenting. This trap, when placed in series with your antenna can help to null powerful stations that "swamp" the weaker ones. Unit works more efficiently with Antenna Tuner Kit (K-935). Kit includes pre-drilled base and front panel, dial panel, variable capacitor, coil form, coil wire, knob, hook-up wire and hardware.

Antenna/Ground wire not included. 4½" x 4¾" x 3¾" 1 lb **K-934** **\$24.95**



K-934

Antenna Tuner Kit

Tuner covers 375 KHz through 30 MHz! Can be switched from "parallel" to "series" resonance for more complete coverage on all bands. Kit is tapped for inductance changes. Most efficiently used with Antenna Trap Kit (K-934). Kit includes pre-drilled base and front panels, dial panel, variable capacitor, coil form, coil wire, knob, hook-up wire and hardware.

Antenna/Ground wire not included. 4½" x 7¾" x 4¾" 1 lb **K-935** **\$32.95**



K-935

Cat's Whiskers

Similar to the Philmore cat's whiskers and others.

Made of phosphor bronze. Package of 3

P-H415 **\$3.00**

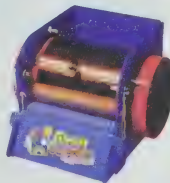


P-H415

Beginners Crystal Radio Kit

Crystal radio kit is ideal for the beginning radio hobbyist. Comes complete with tuning coil that you get to wind, slider, germanium diode and earphone.

7 oz. **K-401** **\$11.75**



K-401

Crystal Cover

Glass crystal cover for Philmore and other crystal sets.

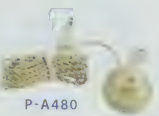
1" overall diameter x 1¼" high **P-D125** **\$11.95**

P-D125

Crystal Earphone

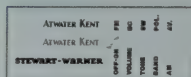
High impedance crystal earphone is very sensitive and works great with crystal radios. Has 3' cord and miniature (3.5mm) plug.

P-A480 **\$3.25**



P-A480

call 480.820.5411 or fax 800.706.6789/480.820.4643



S-M906



S-M905



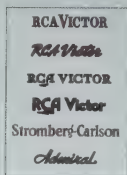
S-M907



S-M909



S-M910



S-M908



S-M904

Radio Decals

Atwater Kent, Stewart-Warner

The AK name comes in both solid gold and solid black colors, and the STEWART-WARNER name is black with gold outline. Also contains the words: OFF-ON; VOLUME; TONE; BAND; AM; FM; BC; POL and AV.

S-M906 \$4.25

Emerson Treble-Clef

The EMERSON TREBLE-CLEF logo appears in gold with black outline in two common sizes. Also contains the words: OFF-ON; VOLUME; TONE; BAND; AM; FM; BC; POL and AV.

S-M905 \$4.95

General Electric, Fada & Garod

The GENERAL ELECTRIC logo appears in 3 commonly used sizes, along with FADA RADIO, and GAROD in gold with black outline.

S-M909 \$4.95

Philco

Features the PHILCO name in 3 sizes, and 20 different knob function labels as found on Philco receivers of the 1930s and 1940s. All in gold with black outline: OFF-ON; BASS; BDCST; POL; S.W.; TONE; BAND SELECTOR; TRANSITONE; HIGH FIDELITY; MAGNETIC TUNING; VOLUME; TREBLE; SELECTIVITY and PHONO-RADIO.

S-M907 \$5.95

Emerson, DeWald, Belmont, Sonora & Tom Thumb

EMERSON, DEWALD, BELMONT, SONORA & TOM THUMB in gold with black outline. EMERSON script logo (without treble clef sign) and other manufacturers' logos for popular plastic radios.

S-M910 \$4.95

RCA, Stromberg-Carlson & Admiral

RCA, STROMBERG-CARLSON & ADMIRAL in gold with black outline. RCA VICTOR appears in three different logo styles, along with STROMBERG-CARLSON and ADMIRAL.

S-M908 \$5.75

Zenith

ZENITH gold with black outline in two common sizes. Also contains the words: AUTOMATIC; MEDIUM WAVE; STD. BROADCAST; and SHORTWAVE.

S-M904 \$4.95

Dial Drive Cable

No-stretch black cord made of nylon braid over a fiberglass core. Use with tension springs (listed below). Standard Thin .028" diameter. Sold by the foot

S-M75 \$1.00/ft

Tension Springs

Use for dial drive or turntable. Package of 10

S-H400 \$1.50

NOS Dial Belts

Limited selection. Call with radio model number.

S-MDIAL-BELT \$2.95

Station Call Letter Tabs

Reproduction paper station inserts like used on Philco and other late '30s & '40s vintage radios with push-button tuning. Over 300 stations provided with 3/16" high letters in translucent ivory color on black background.

Trim to size to fit various models.

P-D130 \$4.95

Dial Reproduction Material

Translucent tan color plastic sheet, can be cut with scissors. Ideal for making replacement Philco or other dials. 8" x 10" sheet, .016" thick.

S-M190 \$7.95

Dial Glass Molding

High quality neoprene rubber extrusion available in four sizes. Sold by the foot.

7/32" W x 3/16" H .090" internal gap	P-D280	\$3.75
7/32" W x 3/16" H .080" internal gap	P-D281	4.95
1/8" W x 1/8" H .050" internal gap	P-D282	3.95
7/32" W x 1/8" H .100" internal gap	P-D283	3.50

Solid State Vibrator Replacements

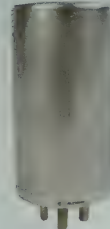
New manufacture solid-state replacements for 6 volt & 12 volt, 3 & 4 pin vibrators. Replace your buffer capacitor (usually 1600 μ F) when you replace your vibrator! 1½" diameter x 2¾" high aluminum can. New and improved! Now lighter (no longer potted) and more efficient.

6V, 4 pin, negative ground	P-V1015N	\$29.95
6V, 4 pin, positive ground	P-V1015P	29.95
Non standard 6V, 4 pin, fits all '40-'42 Cadillac except Limo #7232502	P-V1118P	29.95
12V, 4 pin, negative ground	P-V2015N	29.95
12V, 4 pin, positive ground	P-V2015P	29.95
12V, 3 pin, negative ground	P-V2215N	29.95

Eveready Batteries

These batteries are useful for powering portable radios like the Zenith Transoceanic, subminiature tube radios, and early transistor radios. The S-Z415 is used in our K-436 Regenerative Radio Kit.

Number	Volts	Size		
412	22.5	1.05" x 0.63" x 1.80"	S-Z412	\$9.95
415	45	1.05" x 0.63" x 3.69"	S-Z415	19.50
455	45	2.66" x 1.00" x 3.69"	S-Z455	28.95
416	67.5	1.25" x 0.94" x 3.38"	S-Z416	24.95
467	67.5	2.81" x 1.38" x 3.71"	S-Z467	37.95



P-V1015



P-V2015

Plastic Radio Covers

Clear plastic covers to protect your radio from dust while being in storage. While supplies last!

48" x 60", for console radios	S-B906	\$3.95
-------------------------------	---------------	---------------



S-B906

Stranded Aerial Wire

Stranded 16 gauge copper wire, not insulated. For outside antennas.

50 foot roll	S-W32-146	\$6.95
--------------	------------------	---------------



S-W32-146

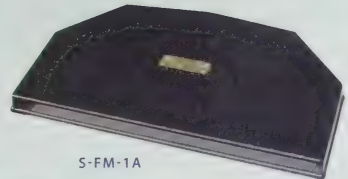
Platform Antennas

Made for vintage radios requiring long antennas to operate.

Ultra flat log inline YAGI antenna for all AM radios and high-end FM stereo applications. 6' coax cable and 75 ohm adapter included.

Supports most tombstone and cathedral style radios.

17" x 9.5" x 1" height	S-FM-1A	\$49.95
------------------------	----------------	----------------



S-FM-1A

Compact low profile AM loop antenna.

May be placed inside or on top of most floor standing radios or in back of or on top of table top radios. Works well with vintage and modern stereo receivers AM section. Antenna receives standard local AM and international short wave. Indestructible ABS cabinet.

13" x 4" x 1" height	S-AM-10	\$34.95
----------------------	----------------	----------------



S-AM-10

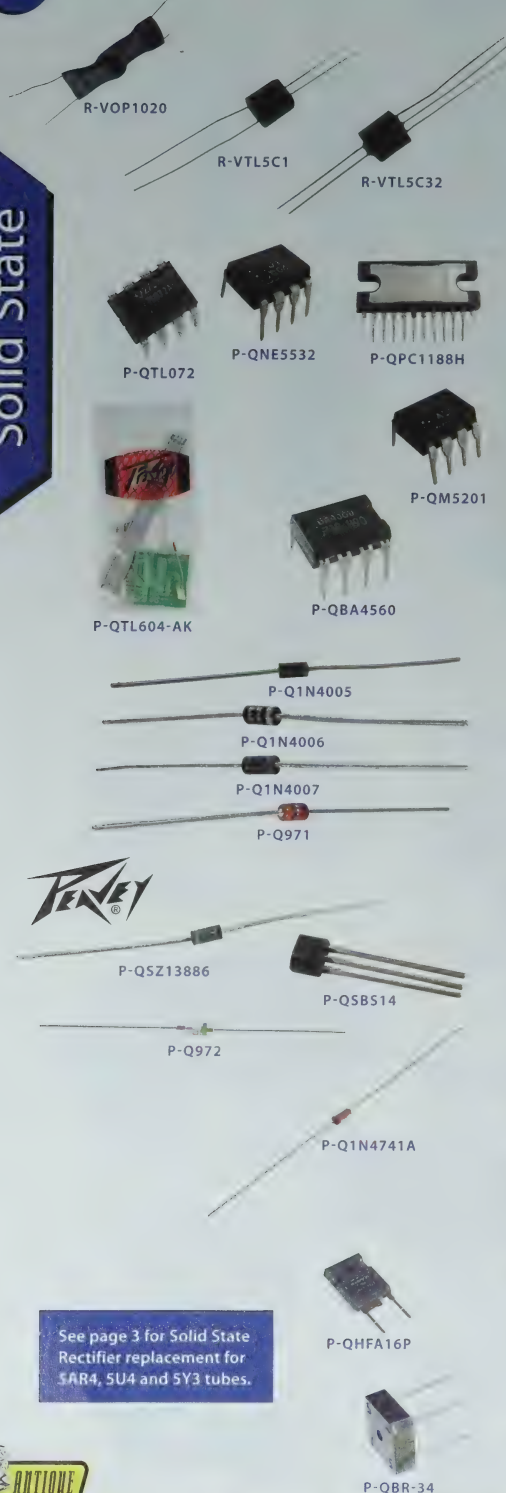
Multi-band outdoor antenna

Godar's FM-DXR-1000 is the world's first telescoping "tunable" FM whip! Largest broadband radio receiving whip antenna in the industry extending to 69"/175 CM's. Designed for all reception environments including multi-path and fringe areas. Antenna may be adjusted/tuned in on any given weak FM frequency. This provides maximum signal gain and lower noise. Antenna also covers AM and shortwave frequency. Ships in short box, no oversize charges.

S-FM-DXR	\$64.95
-----------------	----------------



S-FM-DXR



See page 3 for Solid State Rectifier replacement for 5AR4, 5U4 and 5Y3 tubes.

Optocouplers

Vibrato LDR for Fender® Amps	R-VOP1020	\$8.95
VacTec. For channel switching	R-VTL5C1	7.95
VacTec dual element	R-VTL5C32	8.50

Integrated Circuits (DIP)

Generic

TL072	Dual Op Amp	P-QTL072	\$0.65
TL074	Quad Op Amp	P-QTL074	1.15
NE5532	Dual Op Amp	P-QNE5532	1.15
4558	Dual Op Amp	P-Q4558	.65

Fender®

PC1188H	Original Fender® Power Amp IC	P-QPC1188H	9.50
---------	-------------------------------	------------	------

Korg®

DG212CJ	Original Korg®	P-QDG212CJ	7.50
TDA7293	Original Korg®	P-QTDA7293	11.95
M5201	Original Korg® Op Amp	P-QM5201	4.50

Peavey®

IC Op Amp, LM-13080N. Custom selected, 8-pin DIP	P-Q13080	3.50
IC Op Amp, CA3094. Limited supply	P-QCA3094	3.75
IC Op Amp, BA14560. Dual general purpose, 8-pin DIP	P-QBA4560	.95
TL604 adapter kit	P-QTL604-AK	17.95

Diodes

	Amps	Volts		
1N4005	1	600	P-Q1N4005	\$0.15
1N4937	1	600	P-Q1N4937	.20
1N4006	1	800	P-Q1N4006	.20
1N4007	1	1000	P-Q1N4007	.15
1N4148A	1	600	P-Q971	.20
1N5404	3	400	P-Q1N5404	.30
1N5408	3	1000	P-Q1N5408	.25
MR752	6	200	P-QMR752	.50

Peavey® Diodes

DIAC, SBS 14, Bidirectional trigger diode, 8V, TO-92 case	P-QSBS14	\$1.50
Dual diode, SZ-13886, Selected (KMZ 2361)	P-QSZ13886	1.75

Germanium Diodes

Point contact germanium diode, ideal for crystal radio detectors.

1N34A	P-Q972	\$1.75
-------	--------	--------

Zener Diodes

	Watts	Volts		
1N4741A	1	11	P-Q1N4741A	\$0.15
1N4734	1	5.6	P-Q1N4734	.15
1N4748A	1	22	P-Q1N4748A	.15

Hexfred Diodes

	Amps	Volts		
HFA08TB60	8	600	P-QHFA08	\$2.75
HFA16TA60C	16	600	P-QHFA16T	3.25
HFA16PB120	16	1200	P-QHFA16P	8.10

Bridge Rectifiers

	Amps	Volts		
BR-34	3	400	P-QBR-34	\$0.95

Transistors

Power BJT

Type				
TIP31C	TO-220 Case	NPN	P-QTIP31C	\$0.70
TIP32C	TO-220 Case	PNP	P-QTIP32C	.70
TIP41C	TO-220 Case	NPN	P-QTIP41C	.80
TIP42C	TO-220 Case	PNP	P-QTIP42C	.80
2N3055	TO-3 Case	NPN	P-Q2N3055	2.25
MJ15015	TO-3 Case	NPN	P-QMJ15015	2.85
MJ15016	TO-3 Case	PNP	P-QMJ15016	2.85
MJ15022	TO-3 Case	NPN	P-QMJ15022	4.75
MJ15023	TO-3 Case	PNP	P-QMJ15023	4.75
MJ15025	TO-3 Case	PNP	P-QMJ15025	4.75



P-QTIP31C

P-Q2N3055

P-QMJ15015

Solid State

Fender® Transistors

MPS W42	Original Fender®, NPN, BJT, high voltage	P-QMPSW42	\$2.95
A18937	Original Fender®, PNP, BJT	P-QA18937	2.95

Fender



P-QMPSW42



P-QA18937

Peavey® Transistors

2N5400 (761), PNP general purpose amp, 120V, 10mA, TO-92 Case	P-Q2N5400	\$4.55
2N5462 (NTE326), P-Channel general purpose amp, TO-92 Case	P-Q2N5462	1.00
2N5630, NPN output, 150V, 8A, TO-3 Case	P-Q2N5630	5.00
MJE 15032, Complimentary silicon power, TO-220AB Case	P-QMJ15032	3.25
MPS 6531, NPN general purpose amp, 40V, TO-92 Case	P-QMPS6531	.80
MPS 6533, PNP general purpose amp, 40V, TO-92 Case	P-QMPS6533	1.00
SDS 7204, 300V, 10mA, Case-30	P-QSDS7204	1.45
SJ-6465, VTX marked 81140, NPN audio output, TO-3 Case	P-QSJ6465	7.95
SJ-71200, PNP driver, 200V, 1A, TO-3 Case	P-QSJ71200	8.95
SJ-73180 (MJ21193), PNP output, 180V, 3A, TO-3 Case	P-QSJ73180	7.95
SJ-74200, PNP output, 200V, 4A, TO-3 Case	P-QSJ74200	8.95
SJ-81180, NPN driver, 180V, 1A, TO-3 Case	P-QSJ81180	7.25
SJ-81200, NPN driver, 200V, 1A, TO-3 Case	P-QSJ81200	6.75
SJ-83100, NPN output, 100V, 3A, TO-3 case	P-QSJ83100	3.50
SJE 2152 (TIP102), NPN Darlington, 80V, 3A, TO-220 Case	P-QSJE2152	1.75
SJE 2153 (TIP107), PNP Darlington, 80V, 3A, TO-3 Case	P-QSJE2153	1.95
SJE 5331, 120V, 3A, Case-77	P-QSJE5331	1.25
SJE 5332, 120V, 3A, Case-77	P-QSJE5332	1.35
SJE 6018, 225V, 50mA, Case-77	P-QSJE6018	1.75
SJE 6019, 225V, 50mA, Case-77	P-QSJE6019	1.95
L7815CT, positive voltage regulator, 15V, 1.5A, TO-3 Case	P-QL7815CT	7.55
Triac Q4025P alternistor, 400V, 25A, fastpak TO-3 Case	P-QQ4025P	14.95



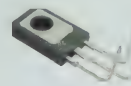
P-Q2N5400



P-QMJ15032



P-QSDS7204



P-QSJE5331

PEAVEY



P-Q2N5630



P-QSJE2152

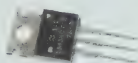
Kustom Transistors

MJE 15028, NPN power BJT	P-QMJE15028	\$0.50
MJE 15029, PNP power BJT	P-QMJE15029	.50
LM340T-15, Positive voltage regulator	P-QLM34015	.50
J-FET PN 4391, N-channel switch	P-Q4391	.50
D32W10	P-QD32W10	.50
2N4010, PNP, BJT	P-Q2N4010	.50



P-QMJE15028

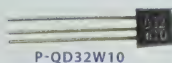
P-QMJE15029



P-QLM34015



P-Q4391



P-QD32W10



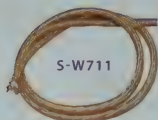
P-Q2N4010

call 480.820.5411 or fax 800.706.6789/480.820.4643





Note: Cut to order wire
is non-returnable!



Stranded Wire

#20 stranded copper wire with modern insulation and lacquered cotton braid finish. Provides safety and authentic vintage look. Available in 8 colors, on 25' and 50' spools.

Color	Part	25' spool
Orange	S-W703L-25	\$6.95
Black	S-W704L-25	6.95
Red	S-W705L-25	6.95
Blue	S-W706L-25	6.95
Green	S-W707L-25	6.95
Yellow	S-W708L-25	6.95
White	S-W709L-25	6.95
Brown	S-W710L-25	6.95

Color	Part	50' spool
Orange	S-W703L-50	\$9.95
Black	S-W704L-50	9.95
Red	S-W705L-50	9.95
Blue	S-W706L-50	9.95
Green	S-W707L-50	9.95
Yellow	S-W708L-50	9.95
White	S-W709L-50	9.95
Brown	S-W710L-50	9.95

Cotton Covered Multi-Conductor Cable

8 conductor 20 gauge stranded wire with brown cotton braid over all. Replaces 1920s Atwater Kent battery cable etc.

Sold by the foot

S-W711

\$3.50/ft

Solid Core Wire

Lacquered finish is available again!!! #20 solid core copper wire with modern insulation and lacquered cotton braid finish. Provides safety and authentic vintage look. Available in 8 colors, on 25' and 50' spools.

Color	Part	25' spool
Orange	S-W803L-25	\$6.95
Black	S-W804L-25	6.95
Red	S-W805L-25	6.95
Blue	S-W806L-25	6.95
Green	S-W807L-25	6.95
Yellow	S-W808L-25	6.95
White	S-W809L-25	6.95
Brown	S-W810L-25	6.95

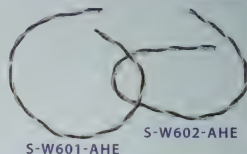
Color	Part	50' spool
Orange	S-W803L-50	\$9.95
Black	S-W804L-50	9.95
Red	S-W805L-50	9.95
Blue	S-W806L-50	9.95
Green	S-W807L-50	9.95
Yellow	S-W808L-50	9.95
White	S-W809L-50	9.95
Brown	S-W810L-50	9.95

600 Volt Stranded Tinned Hook-up Wire

Copper wire. UL style 1015, rated to 105°C. Perfect for new projects or rewiring of any electrical equipment. 22 gauge on 50 foot spools.

Black	S-W22B	\$4.95
White	S-W22W	4.95
Green	S-W22G	4.95
Red	S-W22R	4.95
Yellow	S-W22Y	4.95
Orange	S-W22O	4.95

ALESSANDRO
HIGH-END PRODUCTS



Alessandro High-End Guitar Amp Wire

Teflon insulated silver plated copper wire delivers sonic superiority. 18 awg, twisted pair, black and white. Sold per foot. Made in the U.S.A.

Solid core	S-W601-AHE	\$3.50/ft
Stranded	S-W602-AHE	3.50/ft

Celanese Covered Wire

White celanese covered. Resembles early cotton covered wire. May be color dyed. Litz wire ideal for loop antennas. Cotton wrap. Sold per foot. 20 foot minimum per type.

#24 magnet wire	S-W203	\$0.15/ft
#26 magnet wire	S-W107	.15/ft
54/38 Strand-Litz Wire	S-W106	.20/ft

Early Style Square Bus Wire

12 AWG Square tinned copper, per 10 feet.

S-W140

\$3.25

Alessandro Guitar Wire

Internal guitar wire, 22 awg, twisted pair with shielding.

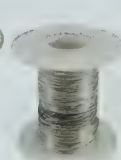
Sold per foot	S-W900-AHE	\$4.95/ft
---------------	------------	-----------

Bus Wire

#22 solid tinned copper bus wire. Approx. 100' per spool.

S-W428

\$4.95



S-W428

Belden® Coax Cable

20 AWG, double shielded, stranded high quality

Sold per foot	S-W520	\$1.20/ft
---------------	---------------	------------------



S-W520

Magnet Wire

Insulated with two coats of enamel. Perfect for winding coils and transformers.

21 gauge, 100 ft. spool	S-WL3-610	\$5.95
22 gauge, 100 ft. spool	S-WL3-611	5.95
24 gauge, 200 ft. spool	S-WL3-612	5.95
28 gauge, 200 ft. spool	S-WL3-614	5.95
32 gauge, 400 ft. spool	S-WL3-616	5.95
36 gauge, 750 ft. spool	S-W318	5.95
40 gauge, 750 ft. spool	S-W320	5.95
42 gauge, 750 ft. spool	S-W319	5.95



S-WL3-610

Pickup Coil Wire

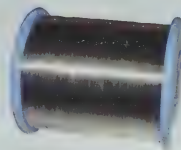
42-gauge magnet wire for winding pickup coils.

1/8 lb spool, approx 6,000 ft	S-MW-42-D125	\$10.95
1/4 lb spool, approx 12,500 ft	S-MW-42-QTR	19.95
3/8 lb spool, approx 18,000 ft	S-MW-42-D375	27.95
1/2 lb spool, approx 25,000 ft	S-MW-42-D5	31.95

**NiChrome Resistance Wire**

Used for making wirewound resistors, small heater elements, or repairing filament potentiometers. Available in four sizes. 20 foot minimum.

Ohms/ft.	Gauge	Part	Price/ft.
2.57	26	S-W500	\$0.20
4.09	28	S-W501	.20
6.50	30	S-W502	.20
20.80	35	S-W503	.20

**20 AWG Instrument Cable**

Make your own cable! Excellines 20 AWG 26 strand guitar cable. Shielded.

Sold by the foot	P-HEG-FT	\$0.75/ft
------------------	-----------------	------------------



P-HEG-FT

EXCELLINES**Speaker Wire**

High definition oxygen-free copper wire. 112 strand, 16 gauge speaker wire. Low loss, 2 conductor with Superflex®. Extra soft PVC insulation.

Sold by the foot	S-WS16	\$0.85/ft
------------------	---------------	------------------



P-W413

S-WS16

Old Style Speaker Wire

Brown cloth-covered two-conductor tinsel wire, as found on '20s vintage horn and cone-type speakers. Terminals not included.

Sold by the foot	P-W413	\$1.35/ft
------------------	---------------	------------------

16 AWG Speaker Cable

Make your own cable! Excellines 16 AWG two conductor. Shielded.

Sold by the foot	P-HSG-FT	\$0.85/ft
------------------	-----------------	------------------



P-HSG-FT

Note: Cut to order wire
is non-returnable!

call 480.820.5411 or fax 800.706.6789/480.820.4643



Screws

Sheet metal/wood screws used to attach logos and other light weight items.

#4 x 1/2"	Oval head Phillips, black oxide finish. Package of 25	S-H103	\$3.00
#2 x 3/8"	Oval head Phillips, zinc. Package of 25	S-H104	3.00



Pan Head Phillips Machine Screws

Zinc, package of 5 except where noted

4-40 x 1/4"	S-HS440-14	\$0.35
4-40 x 3/8"	S-HS440-38	.35
4-40 x 1/2"	S-HS440-12	.35
6-32 x 1/4"	S-HS632-14	.40
6-32 x 3/8"	S-HS632-38	.40
6-32 x 1/2"	S-HS632-12	.40
8-32 x 3/8"	S-HS832-38	.50
8-32 x 1/2"	S-HS832-12	.50
8-32 x 3/4"	S-HS832-34	.50
10-32 x 1/2"	S-HS1032-12	.75
10-32 x 3/4"	S-HS1032-34	.75
10-32 x 1"	S-HS1032-1	.75
10-32 x 1", stainless flathead, counter sunk	S-HS1032-1F	1.00
M4x.7, 20mm long, stainless. Package of 4	S-HSM4D7-20	2.00



Self-Tapping Screws

Pan head except where noted.

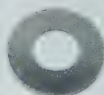
#6 x 3/8" Zinc. Package of 5	S-HST6-38	\$0.50
#8 x 3/8" Zinc. Package of 5	S-HST8-38	.50
#8 x 1/2" Zinc. Package of 5	S-HST8-12	.50
#6 x 3/4" Phillips, stainless steel. Package of 12	S-H101	2.40
#6 x 3/4" Phillips, stainless steel flat head. Package of 8	S-H102	2.00



Flat Washers

Zinc, type A narrow. Package of 5.

#4	S-HW4	\$0.45
#6	S-HW6	.45
#8	S-HW8	.45
#10	S-HW10	.45



Hex Screws

#8 x 1/2", cadmium plated. Package of 18	S-H353	\$0.20
--	--------	--------



Internal Tooth Lock Washers

Zinc. Package of 5.

#4	S-HLW4	\$0.45
#6	S-HLW6	.45
#8	S-HLW8	.45
#10	S-HLW10	.45



Finished Hex Nuts

Zinc. Package of 5.

4-40	S-HHN440	\$0.30
6-32	S-HHN632	.30
8-32	S-HHN832	.30
10-32	S-HHN1032	.30



T-Nut

Zinc. Package of 5.

6-32	S-HTN632	\$1.00
8-32	S-HTN832	1.00
10-32	S-HTN1032	1.00



Decorative Head Screws

Similar to those used for speaker mounting on 1930s vintage radio cabinets. All are #8-32, 1 1/2" long. Package of 4.

Nickel Plated Flower	P-H240	\$1.60
Brass Plated Rosette	P-H241	1.60
Bronze Plated Rosette	P-H242	1.60
Unplated Rosette	P-H243	1.60
Nickel Plated Rosette	P-H244	1.60



Fiber Washer Assortment

S-H402	\$0.75
--------	--------



"C" Washer Assortment

Contains 25 of the most popular sizes	S-H401	\$0.75
---------------------------------------	--------	--------



Fahnestock Clip

Spring clip 3/4" long for up to 14 gauge wire. #6 mounting hole.

Package of 100	S-H11-4034	\$16.00
Package of 6	S-H11-4043-6	1.50



Locking Terminal Lugs

#6 5/8" length, angled. Package of 10	S-H112	\$1.20
---------------------------------------	--------	--------



Headlock Fastener

1 1/4" between mounting centers. 4 sets of 2 clips	S-SJ-3201	\$0.60
--	-----------	--------



Fender® Screws

Original Fender® set screws for knobs. (#6-32)	Package of 12	S-H106	\$4.25
Original Fender® screws for switches	Package of 12	S-H107	3.25
Original Fender® neck mounting screws.	Package of 4	P-GTNP-SCREWS	3.25
Hex nut for Fender® pots (3/8"-32)	Package of 12	S-HRVNT	4.25
Lock washers for Fender® pots (3/8")	Package of 12	S-HRVLW	4.25
Hex nuts for Rean jacks. (3/8"-32)	Package of 12	S-H510	4.40
Chassis strap screws (#8-32)	Package of 4	P-H264-4	5.00
Chassis strap screws (#8-32)	Package of 12	P-H264-12	11.95
Vintage tuner mounting screws	Package of 12	P-GTTS	3.85

Pickguard Screws

Original Fender®. Package of 24	P-PGA1	\$3.25
100 pieces, chrome	P-GTSC-100	5.45
100 pieces, black	P-GTSB-100	5.95
1,650 assorted pieces, see web for details	P-GTS-KIT	89.95

Corner Screws

Stainless steel pan head Phillips self-tapping screws. #6 x 3/4" length. Good for use with P-H1080N, P-H1082N & P-H1084N. Package of 12	S-H101	\$2.40
Stainless steel flat head Phillips self-tapping screws. #6 x 3/4" length. Good for use with P-H266, P-H267 & P-H1087N. Package of 8	S-H102	2.00

Jack Nuts

Nut and washer (3/8"-32)	R-VNUT-38	\$0.60
Black plastic hex nut for S-H502, S-H503, S-H504 and S-H505	S-H5NT	.50

Original Marshall™ Nut

Original Marshall™. Chrome nut for toggle switch (1/2"-32)	S-HM300N	\$3.50
--	----------	--------

Handle Screws

4 screws and 4 T-nuts. Pan head Phillips, 25mm M4X.70	S-H105	\$1.40
Flat head machine, #10-32, 1" long stainless, counter sunk, package of 5	S-HS1032-1F	1.00
T-nut, zinc, #10-32, package of 5	S-HTN1032	1.00

Rivets, Original Marshall™

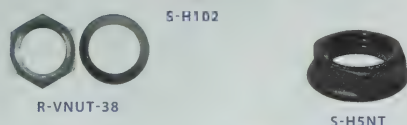
Gold, package of 20	S-HMR-20G	\$6.95
Gold, package of 100	S-HMR-100G	19.95
Silver, package of 20	S-HMR-20S	8.95
Silver, package of 100	S-HMR-100S	22.95

Speaker Mounting Screws

Package of 4.

1" of #9/32 machine screw thread, 1/4" of #10 reverse wood thread, 1 1/2" overall length.	P-H247	\$2.00
Clip nut for 8/32 thread	P-H249	1.20

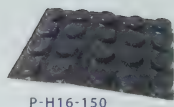
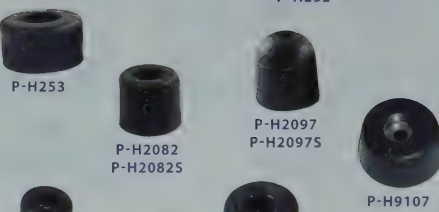
Fender®



Hardware

call 480.820.5411 or fax 800.706.6789/480.820.4643





Metal Glides

Original Fender® Sphinx Glides. Package of 4	P-H250	\$7.50
Basic amp glides. Package of 4	P-H239	2.95
Metal glide, 1 3/4" mounting centers. Sold individually	P-H255	.65
Original Peavey® metal glide feet. Set of 4	P-H251	4.50
Original Marshall™ sprung feet. Set of 2	P-H252	10.95

Basic Rubber Feet

Package of 4. Screws not included.

1/2" diameter x 1/4" high	P-H1308	\$1.80
3/16" diameter x 3/8" high	P-H253	2.60
5/8" diameter x 1/2" high	P-H2082	3.20
3/8" diameter x 1/2" high with steel insert	P-H2082S	3.40
1" diameter x 1" high	P-H2097	5.00
1" diameter x 1" high with steel insert	P-H2097S	6.00
Large tapered feet with zinc washer. 1 3/4" diameter	P-H9107	3.40

Individual feet.

3/8" diameter x .53" high with metal washer	P-H9400	.40
1 1/2" diameter x 3/4" high with metal washer	P-H9500	.95
1 1/2" diameter x 1.18" high with metal washer	P-H9550	.95
1 1/2" diameter x 0.425" high with .17" hole	P-H9600	.85

Original Peavey® Feet

Rubber feet, 1 1/2" diameter x 3/4" high. Set of 4	P-H9300	\$4.25
Rubber feet, 1" diameter x 1/2" high. Set of 4	P-H9310	3.95

Original Dunlop Feet

Rubber feet with screws. Package of 4	P-ECB-151	\$2.50
---------------------------------------	-----------	--------

Original Vox® Feet

Rubber foot, 1" diameter x 1/2" high. Sold individually	P-H9201	\$3.95
---	---------	--------

Rubber Bumpers

Self-adhesive backed bump-ons.

3/32" high x 7/16" diameter. 20 bumps per package	P-H16-150	\$5.00
1/16" high x 5/8" diameter. Package of 4	P-H1314	0.80

Button bumpers.

7/16" diameter x 3/16" high. Package of 4	P-H1309	1.00
---	---------	------

Casters

Heavy duty swivel caster. Each 2" diameter wheel supports 44 lbs. Comes with or without socket.

Caster and socket	P-HW01S	\$5.25
Save on a full set of 4 casters and sockets	-	19.00
Caster only	P-HW02	3.75
Socket only	P-HW03	1.95
Caster 2" wheel, screw mount	P-HW12	3.15
Caster (1.8") & socket. Original Marshall™. Sold individually	P-HW05	17.95

Peavey® Casters

2" ball swivel, each	P-HW07	\$5.30
Large swivel, each	P-HW08	13.10
Locking brake caster. Set of 4	P-HW09	39.95
Pop out swivel caster. Set of 4	P-HW10	17.95
Road rack caster. Set of 4	P-HW11	39.95

Corners

3-leg chrome, standard. 18 gauge steel	P-H1080N	\$0.85
2-leg chrome, wraparound. 18 gauge steel	P-H1082N	.90
2-leg notched, black, wraparound. 18 gauge steel	P-H1097	.95
2-leg chrome, wraparound with lip. Wraps around inside edge of cabinet. 18 gauge steel	P-H1084N	.90
2-leg black, wraparound with lip. 18 gauge steel	P-H1098	.95
2-leg chrome, wraparound with lip. Wraps around inside edge of cabinet, countersunk. For Fender®	P-H1087N	.95
3-leg black, standard. 18 gauge steel	P-H1099	.95
Plastic, standard small stacking chevron corner. Approx 2½" high, sides are 1" wide	P-H266	.70
Heavy duty plastic, standard large stacking chevron corner. Approx 3¼" high, sides are 2" wide	P-H267	1.25
Stainless steel pan head Phillips self-tapping screws. #6 x ¾" length. Good for use with P-H1080N, P-H1082N & P-H1084N. Package of 12	S-H101	2.40
Stainless steel flat head Phillips self-tapping screws. #6 x ¾" length. Good for use with P-H266 & P-H267 & P-H1087N. Package of 8	S-H102	2.00

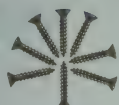
P-H1080N

P-H1082N

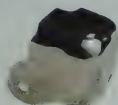
P-H1097



S-H101



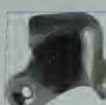
S-H102



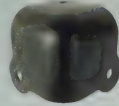
P-H1084N



P-H1098



P-H1087N



P-H1099



P-H266



P-H267

Original Marshall™ and Vox®

Rear corner set. Set of 4	P-H1090	\$7.75
Front corner set. Set of 4	P-H1091	7.75
Corners for left and right positions. One of each	P-H1092	7.75
Gold rivets for fastening corners. Bag of 20	S-HMR-20G	6.95
Gold rivets for fastening corners. Bag of 100	S-HMR-100G	19.95
Silver rivets for fastening corners. Bag of 20	S-HMR-20S	8.95
Silver rivets for fastening corners. Bag of 100	S-HMR-100S	22.95
Original Vox® Plastic corners, sold individually	P-H1094	3.50

Marshall



P-H1090



P-H1092



P-H1091

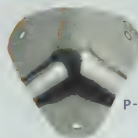
S-HMR-20G
S-HMR-100GS-HMR-20S
S-HMR-100S

P-H1094

Original Fender®

3-leg standard. Package of 4	P-H298	\$6.65
2-leg wraparound with lip. Package of 4	P-H299	7.95

Fender



P-H298

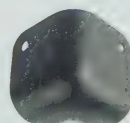


P-H299

Original Peavey®

Black metal, 2 hole with lip	P-H1095	\$1.50
------------------------------	---------	--------

PEAVEY



P-H1095

Flip Top Latch / Suitcase Hook

Original Ampeg	P-H300	\$4.25
----------------	--------	--------

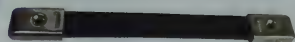
Ampeg



P-H300

call 480.820.5411 or fax 800.706.6789/480.820.4643





P-H261



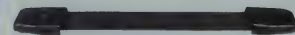
P-H311



P-H313



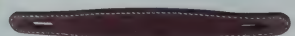
P-H261B



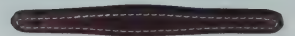
P-H312



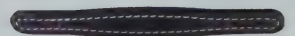
P-H310



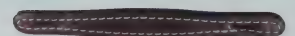
P-H262



P-H263



P-H282



P-H284



P-H282A



P-H282A-N

Basic Strap

Hardware not included.

	Center to Center		
Black strap with silver caps. Replacement for Fender®	8 3/4"	P-H261	\$3.75
Black strap with nickel end caps	8 3/4"	P-H311	3.15
Small black strap with black end caps	7"	P-H313	2.95
Black strap with black caps. Replacement for Fender®	8 3/4"	P-H261B	4.25
Black strap with black end caps	8"	P-H312	2.95
Black contour with black end caps	7 1/2"	P-H310	3.95
Brown leather-raised. Replacement for Fender®	6 1/2"	P-H262	8.95
Brown leather-flat. Replacement for Fender®	6 1/2"	P-H263	9.95
Strap Handle. Black	6"	P-H282	8.75
Strap Handle. Brown	6"	P-H284	8.75
Chrome hardware for P-H262, P-H263, P-H282 and P-H284. Sold individually. Screws not included		P-H282A	.95
Nickel hardware for the P-H262, P-H263, P-H282, and P-H284. Sold individually. Screws not included		P-H282A-N	.95

Vintage Style

Hardware not included.

	Center to Center		
Large vintage handle. Blue, Ampeg style. Made in USA	7 3/8"	P-H280	\$11.95
Blue, white stitching	7 3/8"	P-H319	10.95
Large vintage handle. Black, Ampeg style. Made in USA	7 3/8"	P-H281	11.95
Black, black stitching	7 3/8"	P-H281-B5	10.95
Large vintage handle. Brown, Ampeg style. Made in USA	7 3/8"	P-H283	11.95
Brown, white stitching	7 3/8"	P-H318	10.95
Light brown, white stitching	7 3/8"	P-H317	10.95
Red, white stitching	7 3/8"	P-H314	10.95
Cream, white stitching	7 3/8"	P-H316	10.95
4 screws and 4 T-nuts. Pan head Phillips, 25mm M4X.70		S-H105	1.40
Screws, flat head machine, #10-32, 1" long stainless, counter sunk, package of 5		S-HS1032-1F	1.00
T-nut, zinc, #10-32, package of 5		S-HTN1032	1.00



P-H280



P-H319



P-H281



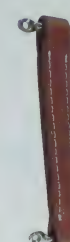
P-H281-B5



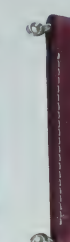
P-H283



P-H318



P-H317



P-H314



P-H316



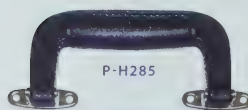
S-H105



S-HTN1032



S-HS1032-1F



P-H285



P-H286

Guitar Case Handles

	Center to Center		
Black, used on Fender® and other cases	4 1/2"	P-H285	\$4.25
Suntan, used on Fender® Tweed and others, leather	4 1/2"	P-H286	9.95

Original Fender® Handles

High quality handles for vintage Fender® amps. Will work on other amplifiers as well. Hardware included.

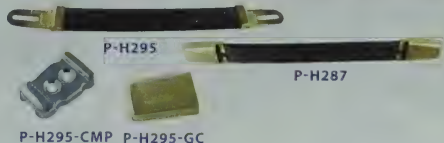
	Center to Center		
Brown molded dogbone	6"	P-H269BR	\$14.95
Black molded dogbone	6"	P-H269BK	14.95

P-H269BR P-H269BK

Marshall™ Handles

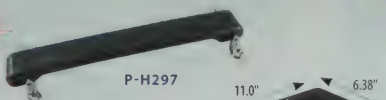
Vintage strap. 8¾", black with black caps	P-H294	\$8.95
Vintage strap. 10", black. For use with P-H295-CMP & P-H295-GC - sold separately below.	P-H295	15.50
Old style inner clamp. Sold individually	P-H295-CMP	3.50
Gold cap for vintage handle. Sold individually	P-H295-GC	6.85
Generic strap - like P-H295 for Marshall™. Includes clamp and gold caps.	P-H287	12.95

Marshall



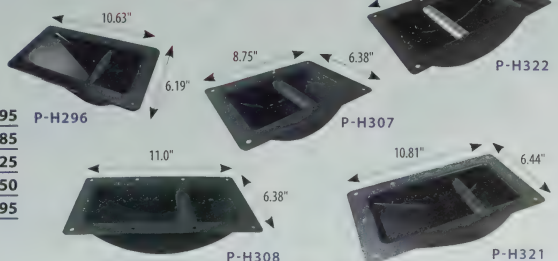
Vox® Handle

Original Vox® handle with brackets, 6¾"	P-H297	\$13.95
---	--------	---------



Recessed Handles

Original Marshall™ plastic side handle for cabinets	P-H296	24.95
Original Marshall™ metal side handle for handwired	P-H322	18.85
Textured metal, black, medium	P-H307	\$5.25
Textured metal, black, large	P-H308	6.50
Smooth, black, large	P-H321	3.95



Peavey® Handles

Strap, black with black caps	7¼" center to center	P-H301	\$4.65
Strap, black with chrome caps	7¼" center to center	P-H302	4.65
Flight case, exterior	5" W x 7½" H	P-H303	15.50
Flight case, recessed. Package of 2	6½" W x 4" H	P-H304	17.95
Cabinet, recessed	6¾" W x 8¼" H	P-H305	10.95
Flight case, black, heavy duty	7" W x 5" H	P-H306	11.50

Peavey



Replacement Handles

Good for antique radios, lunchboxes, toolboxes and other general applications. Mounting centers are 5¼" apart, but can accommodate a distance of 6". Does not include hardware.

	Center to Center		
Dark brown with light brown stitching	5¼"	P-H220	\$0.95
Dark brown with black stitching	5¼"	P-H221	.95
Dark blue with red stitching	5¼"	P-H222	.95
Light brown with black stitching	5¼"	P-H223	.95



call 480.820.5411 or fax 800.706.6789/480.820.4643



Fender®



Fender® Chassis Straps

Available in three sizes. Package of 2. Hardware included.

3" small	P-H264S	\$8.25
4" medium	P-H264M	8.75
5" large	P-H264L	8.95
Chassis strap screws. Package of 4 (#8-32)	P-H264-4	5.00
Chassis strap screws. Package of 12 (#8-32)	P-H264-12	11.95



Fender® Piggyback Items

Thumb screws. Package of 2	S-H251	\$11.95
Clip Bars. Package of 2	S-H252	25.95
Bushings. Package of 2	S-H253	16.95

Fender® Tilt Back Legs

Contains two in each pack. Hardware included.

14" small	P-H265S	\$38.50
16" medium	P-H265M	40.50
19" Large	P-H265L	44.50

Fender® Capacitor Covers

Twin Reverb®	7½" L x 3½" W x 1¼" H	P-H710	\$15.95
Vibroverb®	5¾" L x 3" W x 1¼" H	P-H711	18.50
'59 Bassman®	5" L x 3" W x 1½" H	P-H712	14.75

Faceplates for Fender® & Other Amps

Replacement for Deluxe Reverb and other amps	P-H720	\$19.95
Replacement for Super Reverb and other amps	P-H721	19.95
Original Vox® AC30 control panel	P-H740	59.95

Marshall™ and Vox® Amp Parts

Top metal vent for Marshall™	P-H210	\$35.75
Large plastic vent for Marshall™, 17½" x 3"	P-H211	5.95
Old style plastic vent for Vox®, 5½" x ¾"	P-H214	3.95
Original Marshall™ back metal panel as used on JCM 800, 27" x 7"	P-H212	79.95
Back metal panel as used on JCM800 27" x 7.125"	P-H212-A	64.95
Original Marshall™ 1987 back panel, 24½" x 7¾"	P-H213	79.75
Marshall™ caster cup, package of 4	P-HW04	11.10
Marshall™ anti-skid tray	P-HW06	9.75

Low Noise Fan

Mounting Centers

Super low noise 115V-AC	4½" x 4½"	P-HFAN	\$25.95
Metal finger guard for above fan		P-HFAN-GUARD	2.95

Marshall™ Logos

Replacement for Marshall™ Amps.

6" logo, gold. Used on many late '60s amps	S-M603	\$17.95
6" logo, white	S-M600	14.50
9" logo, white	S-M601	16.50
11" logo, white	S-M602	20.25

Marshall™ Gold Badges / Lead Plates

JCM 900 Lead plate	S-M650	\$4.50
Vintage 1960 Lead plate	S-M651	5.50
1960 Classic Lead plate	S-M652	7.95
"100" Badge	S-M604	9.95

Vox® Logos

Original Vox® amp logos. Plastic.

Gold, small, for AC10 and AC30	S-M700	\$8.95
Gold, large, for AC30	S-M701	17.95
Vertical nameplate for T-60 and T-25	S-M702	5.95

Ampeg™ Logos

Original Ampeg amp logos.

Plexi-logo	S-M918	\$26.95
Metal Logo	S-M920	16.50
Script Logo (lightweight metal)	S-M919	17.95
Diecast logo, 5/8" in length	S-M923	13.50

Fender® Amp Covers

'65 Twin Reverb®, Black	27½" x 11" x 20"	P-HCF-101	\$19.95
'65 Deluxe Reverb®, Black	25" x 9¼" x 17"	P-HCF-102	19.95
'59 Bassman®, Brown	25" x 11¼" x 22"	P-HCF-103	19.95
Super Reverb®, Black	26¼" x 10¾" x 24"	P-HCF-104	19.95

Marshall™ Amp Covers

Fits all full size heads	P-HCM-201	\$34.95
Fits slanted 4x12 cabinets except the 1960TV	P-HCM-202	54.95
Fits straight 4x12 cabinets	P-HCM-203	54.95

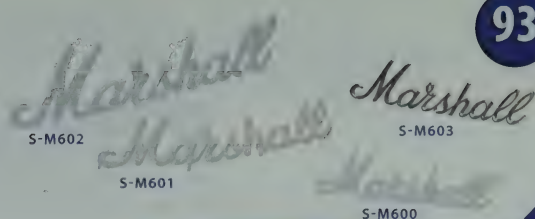
Amp Covers

For Fender® Amps

	H x W x D		
Fits standard Bassman® heads	8½" x 22½" x 10"	P-HC-8	\$15.65
Fits Champ®	14½" x 17" x 7½"	P-HC-10	16.95
Fits Princeton Reverb®	16" x 20½" x 9"	P-HC-11	16.95
Fits '65 Deluxe Reverb®	17" x 25" x 9½"	P-HC-2	16.95
Fits Blues Deluxe®	18½" x 24" x 11"	P-HC-9	16.95
Fits '65 Twin®	21" x 27" x 12"	P-HC-1	16.95
Fits '59 Bassman®	22" x 24" x 11"	P-HC-3	16.95
Fits Super Reverb®	24" x 25½" x 10½"	P-HC-4	24.95

For Marshall™ Amps

Fits Full Size heads	11" x 30" x 9"	P-HC-5	16.95
Fits Slant 4x12 cabs	30" x 30" x 14½"	P-HC-6	27.50
Fits Straight 4x12	29" x 30" x 14"	P-HC-7	27.50



Logos and Covers

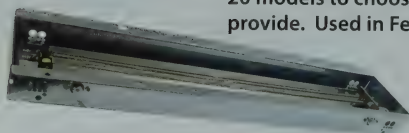
call 480.820.5411 or fax 800.706.6789/480.820.4643



Reverb Tanks

accutronics

World famous Accutronics brand reverb tanks in three of the most popular styles with 20 models to choose from. Get the warm, true sound that only spring reverberation can provide. Used in Fender®, Marshall™, Ampeg, Peavey®, Music Man, SLM and other amps.



Type 4 Long, 2 Spring

The industry standard for years, the Type 4 is still manufactured using the original Hammond design. Four counter wound and coupled springs deliver superior mechanical performance and the classic sound that helped make the Fender® Twin Reverb amps famous. 16 3/4" long x 4 3/8" wide.

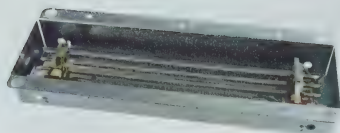
Model	Input/Output Ohms	Decay	Used in:		
4AB3C1B	8 / 2,250	long	Fender®, Marshall™, Ampeg	P-R4AB3C1B	\$26.95
4BB2A1B	150 / 2,250	medium	Music Man	P-R4BB2A1B	26.95
4BB3C1B	150 / 2,250	long	SLM, Ampeg, Fender® Acoustic	P-R4BB3C1B	26.95
4BB3C1D	150 / 2,250	long	Same as above, but vertical connectors down	P-R4BB3C1D	26.95
4DB2C1D	250 / 2,250	medium		P-R4DB2C1D	26.95
4EB2C1B	600 / 2,250	medium	Peavey® Solid State	P-R4EB2C1B	26.95
4FB3A1B	1,475 / 2,250	long	Ampeg	P-R4FB3A1B	26.95
4FB3D1B	1,475 / 2,250	long	Music Man	P-R4FB3D1B	26.95



Type 9 Long, 3 Spring

Six springs, counter wound, coupled and placed in parallel, combine to create the fullest, richest reverb effect throughout the full range of musical sound. Ideally suited for keyboard, sound reinforcement and pedal steel applications. 16 3/4" long x 4 3/8" wide.

Model	Input/Output Ohms	Decay	Used in:		
9AB2A1B	10 / 2,575	medium	Mesa Boogie, Fender®	P-R9AB2A1B	\$28.95
9AB2C1B	10 / 2,575	medium	Fender®, Mesa Boogie	P-R9AB2C1B	28.95
9AB3C1B	10 / 2,575	long	Fender®	P-R9AB3C1B	28.95
9EB2C1B	800 / 2,575	medium	Peavey®	P-R9EB2C1B	28.95
9FB2A1C	1,925 / 2,575	medium	Fender®, Peavey®, Music Man	P-R9FB2A1C	28.95



Type 8 Short, 3 Spring

Designed for applications in which overall sound quality is important and a compact package is required. Small in size, this three spring reverb approaches the rich textural quality of larger reverb units. 9 1/4" long x 3 1/8" wide.

Model	Input/Output Ohms	Decay	Used in:		
8AB2A1B	10 / 2,575	medium	Mesa Boogie	P-R8AB2A1B	\$24.95
8BB2A1B	190 / 2,575	medium	SLM	P-R8BB2A1B	24.95
8BB3D1B	190 / 2,575	long	Rivera	P-R8BB3D1B	24.95
8DB2C1B	310 / 2,575	medium	Marshall™ horizontal open side down	P-R8DB2C1B	24.95
8DB2C1D	310 / 2,575	medium	Marshall™, vertical connectors down	P-R8DB2C1D	24.95
8DB2C1C	310 / 2,575	medium		P-R8DB2C1C	24.95
8EB2D1B	800 / 2,575	medium	Fender®, Marshall™, Peavey®	P-R8EB2C1B	24.95

Belton Tanks

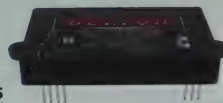
Made in Korea

Equivalent to 4AB3C1B	P-RBL2AB3C1B	\$19.95
Equivalent to 9AB2C1B	P-RBL3AB2C1B	20.95
Equivalent to 9AB3C1B	P-RBL3AB3C1B	20.95
Equivalent to 8EB2C1B	P-RBS3EB2C1B	17.95

Belton Digi-Log Digital Reverb Unit

Simple interface requires only input, output, +5V, and ground. Horizontal mounting, AC-coupled input and output require no external capacitors. See web for details.

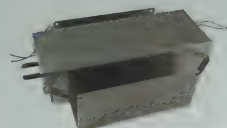
Short	P-RBTDR-1H-S	\$14.95
Medium	P-RBTDR-1H-M	14.95
Long	P-RBTDR-1H-L	14.95



NOS Kustom Reverb Tanks

While supply lasts.

Type 4 Long, 2 Spring, 4BB2C1A	P-R4BB2C1A	\$17.95
Type 4 Long, 2 Spring, 4FB2A1D	P-R4FB2A1D	17.95
Type 4 Long, 2 Spring, 4FB2C1A	P-R4FB2C1A	17.95
Medium decay	P-R4FB2A1A	17.95
Medium decay	P-R4FB2C1A-NOS	19.95
Medium decay. In = 150Ω, Out = 2250Ω	P-R6BB2D	9.95
Medium decay. In = 1550Ω, Out = 2250Ω	P-R6FB2D	9.95



P-R6BB2D

NOS Gibbs Manufactured Reverb

While supply lasts.

Equivalent to 4FB2C1A	P-RGB-4FB2C1A	\$29.95
-----------------------	---------------	---------



Reverb Tank Bags

Handmade single-ply black tolex reverb tank bags. Replacement for Fender® and other amps.

Fits 17" tanks	P-RBAG-17	\$10.95
Tweed Reverb Bag fits 17" tanks	P-RBAG-17-TW	12.95
Insert bag for greater isolation. Liner for 17" tanks to make a 2-ply bag	P-RBAG-17LNR	6.95
Fits 9" tanks	P-RBAG-9	9.95



P-RBAG-9



P-RBAG-17



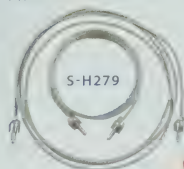
P-RBAG-17-TW



P-RBAG-17LNR

Vintage Style Reverb Wires

One 3 foot and one 5 foot, RCA cable	S-H279	\$19.95
--------------------------------------	--------	---------



S-H279

Right Angle RCA Cables

For reverb tanks and other electronic devices.

3 foot cable	S-H273	\$2.95
6 foot cable	S-H276	4.25



S-H273

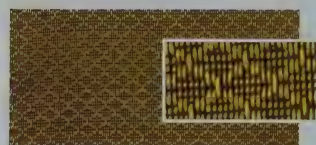
S-H276

call 480.820.5411 or fax 800.706.6789/480.820.4643

Radio Grill Cloth

Custom made fabric to duplicate early radio speaker cloth. Colors may vary somewhat due to different lots and fabrics used. Sold in 12" x 12" pieces or by the foot in increments of 6" after the first 12". If you would like a small sample to evaluate before making your purchase, they are available: first two are free, \$1.00 each after that or you may order a packet of these grill cloth samples.*

*Due to photographic and printing limitations, colors of the fabrics may not be 100% accurate.



S-G115 12" x 12" \$12.00 ea
S-G115F 30" width 19.95/ft



S-G431 12" x 12" \$9.00 ea
S-G431F 24" width 15.00/ft

Philco 70, 90, 89, 10; Zenith 8-S-463, 9-S-367; Grunow, Crosley and others from late 1930s



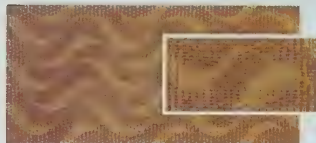
S-G435 12" x 12" \$8.00 ea
S-G435F 24" width 14.00/ft

RCA, GE and Westinghouse models



S-G959 12" x 12" \$8.00 ea
S-G959F 24" width 14.00/ft

Zenith consoles from the late 1930s



S-G965 12" x 12" \$10.00ea
S-G965F 24" width 16.00/ft

Zenith swirl, Shutterdale and Walton, Tombstone Sets. Reversible



S-G970 12" x 12" \$9.00 ea
S-G970F 24" width 15.00/ft



S-G429 12" x 12" \$8.00 ea
S-G429F 24" width 14.00/ft

Philco Model 60 for years 1934, 1935 and early 1936. (see S-G440 for late 1936+)



S-G432 12" x 12" \$9.00 ea
S-G432F 24" width 15.00/ft

For Emerson Models

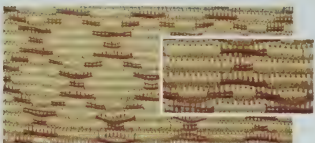


S-G436 12" x 12" \$8.00 ea
S-G436F 24" width 14.00/ft



S-G963 12" x 12" \$8.00 ea
S-G963F 24" width 14.00/ft

Zenith, Fada, Silvertone from the 1930s



S-G966 12" x 12" \$9.00 ea
S-G966F 24" width 15.50/ft

Philco Diamond for 1939 and 1940 models



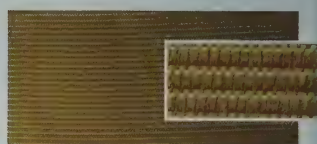
S-G430 \$21.95/ft

31" appx. width. Sold only by the foot due to the pattern. Has two chevron widths appx. 12" and 19" wide



S-G434 12" x 12" \$9.00 ea
S-G434F 24" width 15.00/ft

RCA 100A Speaker



S-G440 12" x 12" \$9.00 ea
S-G440F 24" width 15.50/ft

Philco Model 60 late 1936 and up



S-G964 12" x 12" \$9.00 ea
S-G964F 24" width 15.00/ft

Deco looking consoles from 1937 Zenith leaf design



S-G967 12" x 12" \$8.00 ea
S-G967F 24" width 14.00/ft

Zenith consoles from the 1940s

Speaker Cloth

Package of one sample of each radio grill cloth.

S-GSR1 \$9.95



Guitar Amp Grill Cloth

Replacement grill cloth as found on modern and vintage guitar amps. Cloth is 34" high unless otherwise noted and is sold per linear yard. Order enough to cover the width of your cabinet, plus a bit for frayed edges.

NOTE: The exact coloring and patterns of the grill cloth are very hard to reproduce. If you would like a small sample to evaluate before making your purchase, they are available: first two are free, **\$1.00** each after that, or you may order a packet of these grill cloth samples for **\$9.95**. The part number is **S-GSG1**.



S-G293 Black/Silver \$19.95/yd
Original Ampeg



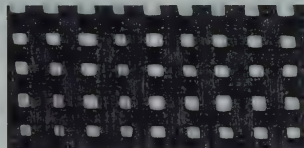
S-G294 Blue SVT \$19.95/yd
Original Ampeg



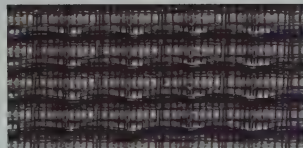
S-G296 Black Basket \$19.95/yd



S-G297 Brown Basket \$19.95/yd



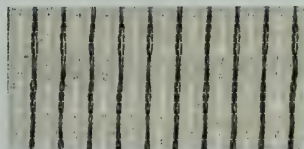
S-G299 Black Waffle \$19.95/yd



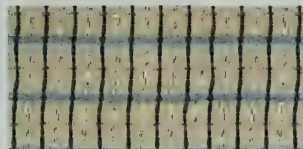
S-G301 Oxblood/Tan \$19.95/yd



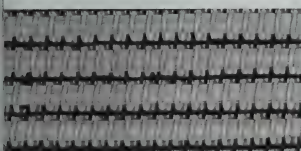
S-G302 Oxblood \$19.95/yd



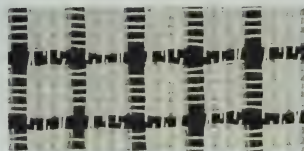
S-G303 Black/Silver/Gray \$19.95/yd



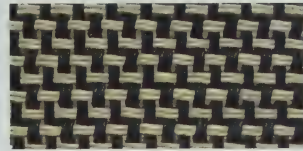
S-G304 Blue/Black/Silver/White \$21.95/yd



S-G401 Bluesbreaker \$31.95/yd
33½" Width
Original Marshall™



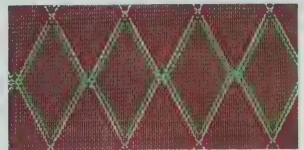
S-G402 Large Check \$34.95/yd
32" width
Original Marshall™



S-G403 Salt & Pepper \$39.95/yd
32" Width
Original Marshall™



S-G420 Black Diamond \$44.95/yd
44" Width
Original Vox®



S-G421 Brown Diamond \$74.95/yd
44" Width
Original Vox®

* "The Vox® Diamond Grill Design depicted on this material is a trademark of Vox® R&D Ltd. This grill cloth is sold for the sole authorized purpose of replacing grill cloth on genuine Vox® amplifiers. Any use of the Vox® Diamond Grill Design on amplifiers other than Vox® amplifiers is an infringement of the trademarks and trade dress rights of Vox® R&D Ltd. and its U.S. exclusive distributor, Korg® USA Inc. in violation of 15 U.S.C. Sec. 1051 et. seq."

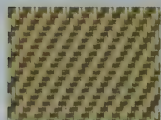
Grill Cloth - Guitar

call 480.820.5411 or fax 800.706.6789/480.820.4643



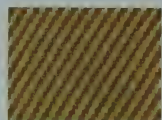
Replacement cabinet covering is 54" wide, unless otherwise noted, and is sold per linear yard. Order enough to cover the width of your cabinet, plus a bit for edges.

NOTE: The exact color and pattern of the cabinet covering are very hard to reproduce. If you would like a small sample to evaluate before making your purchase, they are available: the first 2 are free; \$1.00 each after that; or you may order a packet of these tolex samples for \$9.95. The part number is **S-GSG2**.



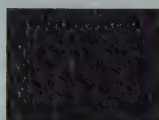
S-G305 \$31.95/yd

64" Width
Woven Tweed
Original Fender®



S-G305-A \$16.95/yd

Vinyl Tweed



S-G306 \$12.95/yd

Black Tolex



S-G307 \$24.95/yd

Cream Tolex
Original Fender®



S-G307-A \$12.95/yd

Vintage Vanilla (Cream),
Nubtex



S-G308 \$24.95/yd

Brown Tolex
Original Fender®



S-G308-A \$12.95/yd

Vintage Palomino (Brown),
Nubtex



S-G309 \$34.95/yd

Diamond Blue
Original Ampeg



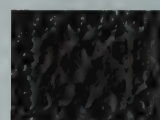
S-G310 \$34.95/yd

Nubby Tweed
Original Ampeg



S-G312 \$11.95/yd

Black Broco/Levant



S-G404 \$21.95/yd

50" Width
Black Levant
Original Marshall™



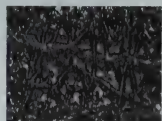
S-G405 \$36.95/yd

50 1/2" Width
Purple Levant
Original Marshall™



S-G405-A \$12.95/yd

Purple, Bronco/Levant



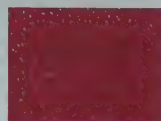
S-G406 \$25.95/yd

52 1/2" Width
Black Elephant
Original Marshall™



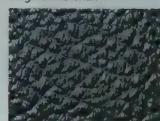
S-G407 \$34.95/yd

53 1/2" Width
Red Elephant
Original Marshall™



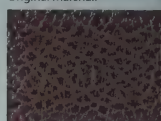
S-G407-A \$12.95/yd

Red Bronco/Levant



S-G408 \$15.95/yd

British Emerald Green,
Bronco/Levant



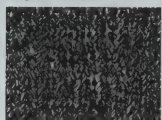
S-G409 \$15.95/yd

Cocoa Brown, Bronco/Levant



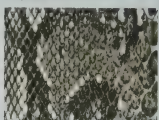
S-G410 \$12.95/yd

Black, Taurus
Used by Mesa Boogie®



S-G415 \$12.95/yd

35" Width
Black
Original Vox®



S-G442 \$12.95/yd

Snakeskin



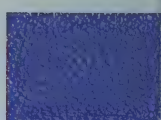
S-G443 \$13.95/yd

Wine, Taurus



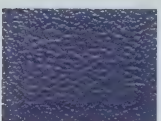
S-G444 \$12.95/yd

Garnet, Bronco



S-G445 \$12.95/yd

Blue, Bronco



S-G446 \$12.95/yd

Navy Blue, Bronco



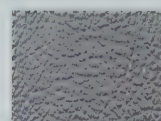
S-G447 \$12.95/yd

Hot White, Bronco/Levant



S-G448 \$12.95/yd

Ivory, Bronco/Levant



S-G449 \$12.95/yd

Silver, Bronco/Levant



S-G450 \$13.95/yd

Orange, Bronco



S-G451 \$13.95/yd

Orange, Nubtex



S-G452 \$13.95/yd

Black, Nubtex



S-G453 \$15.95/yd

Country Western



S-G454 \$11.95/yd

Black Panama

Tolox Glue

Brush-on adhesive ideal for applying tolex. Cleans up with soap and water. No nasty solvents required. Does not stretch or shrink the vinyl.

1 Quart	S-F316	\$19.95
1 Gallon	S-F316G	\$3.95

Marshall™ Original Piping

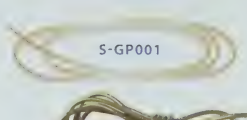
Gold piping, Thick	S-GP001	\$3.95/ft
Gold piping, Thin	S-GP002	1.95/ft
White piping	S-GP003	1.95/ft
White piping, generic version of S-GP003	S-GP003-A	.95/ft

Vox® Original Piping

Gold cabinet string. Sold by the foot	S-GP008	\$1.95/ft
Fascia strip. Sold in 14 1/4" lengths only	S-GP009	9.95



S-GP003
S-GP003-A



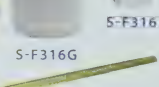
S-GP001



S-GP002



S-F316



S-F316G



S-GP008



S-GP009

Dunlop Effect Pedal Parts

Fasel Inductors

The Fasel Inductor is back! Choose the precision-wound Toroidal for the cleanest sound possible or, for die-hard vintage vibe, install the authentic cup core version. Either way your wah will finally give up the lush harmonic sparkle you've always heard in your head but could never coax from your rig.

Fasel cup core model. Yellow	P-ECB-FI-01	\$12.75
Fasel toroidal model. Red	P-ECB-FI-02	12.75
Standard 500 ohm inductor	P-ECB-156	11.50

Effect Pedal Parts

Rocker pedal bag	P-PB-101	\$9.50
GCB-95 Bottom plate w/battery door	P-ECB-152	11.75
Crybaby PC board. Loaded with all necessary components	P-ECB-25	21.95
Gear for Wah	P-ECB-126	1.95
Replacement rack for Wahs	P-ECB-RACK	1.25
Rack for Wah	P-ECB-127	1.95
Offset grommets. 3 large and 3 small. For Wahs	P-ECB-124	2.50
Self-adhesive backed bump-ons, 3/32" x 7/16" diameter. 20 per sheet	P-H16-150	5.00
Battery door and clip	P-ECB-147	1.50

Adapters

AC plug for Dunlop effects. 9 volt. US	P-ECB-002	\$11.75
AC barrel for Dunlop effects. 9 volt. US	P-ECB-003	11.75
ProCo Rat battery eliminator	M-RPS1	11.75
Vox® Tonelab adapter. 9 volt, 3000mA 4-pin	M-K090	33.50

See page 115 for 9 volt power supplies (M-PAS-S and M-PAS-D)

9 Volt Clips

Package of 3	S-H155	\$0.60
--------------	--------	--------

Morley Effects Pedal Parts

Replacement light bulb. Sold individually	P-LTX387	\$0.95
Photocell	R-VPC01	2.50

Dunlop Potentiometers

Hot Potz 470K	P-ECB-24A	\$19.95
Hot Potz II 100K Crybaby	P-ECB-24B	19.95
20K for Bass Wah	P-ECB-24C	19.95

Replacement Potentiometers for Wah

Linear

100K Wah pot	R-VWAH-POT	\$8.95
125K Wah pot	R-VWAH-125KL	8.95
150K Wah pot	R-VWAH-150KL	8.95
200K Wah pot	R-VWAH-200KL	8.95

Life Pot 100K Wah pot. High grade replacement and upgrade wah pedal pot supplied with all necessary hardware and gear for immediate installation.

	R-VWAH-LP	11.95
500K/50K dual Wah pot, replacement for Ibanez WH10 Wah	R-VWAH-IBZ	3.95

Dunlop

P-ECB-FI-01

P-ECB-FI-02

P-ECB-126

P-ECB-156

P-PB-101

P-ECB-25

P-ECB-124

P-H16-150

P-ECB-127

P-ECB-152

P-ECB-147

P-ECB-003

P-ECB-002

M-RPS1

S-H155

MORLEY

P-LTX387

R-VPC01

Dunlop

P-ECB-24C

P-ECB-24A

P-ECB-24B

R-VWAH-POT

R-VWAH-LP

R-VWAH-IBZ

ANTIQUE ELECTRONIC SUPPLY

call 480.820.5411 or fax 800.706.6789/480.820.4643



'57 Classic Series

A neck or bridge position vintage sounding "Patent Applied For" Humbucker. Great variety of tonal possibilities with emphasis on high and low end. Alnico II, wax potted.

'57 Classic, Double black	P-PUG44	\$99.95
'57 Classic, Zebra	P-PUG45	99.95
'57 Classic, Nickel cover	P-PUG2	102.95
'57 Classic, Gold cover	P-PUG1	106.95

A neck or bridge position vintage Humbucker with more output than the '57 Classic. Great clean sound that can produce crunchy rhythms and high gain leads that are enhanced by the extra distortion that this pickup can generate.

'57 Classic Plus, Double black	P-PUG42	\$106.95
'57 Classic Plus, Zebra	P-PUG43	106.95
'57 Classic Plus, Nickel cover	P-PUG4	110.95
'57 Classic Plus, Gold cover	P-PUG3	114.50

Burstbuckers

For neck or bridge position. Alnico II, not wax potted.

Slightly underwound medium output (#1), Double Black	P-PUG33	\$108.95
Slightly underwound medium output (#1), Zebra	P-PUG35	109.95
Slightly underwound medium output (#1), Nickel	P-PUG17	112.95
Slightly underwound medium output (#1), Gold	P-PUG34	120.95
Wound like the '57 Classic, slightly hotter output (#2), Double Black	P-PUG36	109.95
Wound like the '57 Classic, slightly hotter output (#2), Zebra	P-PUG38	109.95
Wound like the '57 Classic, slightly hotter output (#2), Nickel	P-PUG18	112.95
Wound like the '57 Classic, slightly hotter output (#2), Gold	P-PUG37	120.95
Slightly overwound hot output (#3), Double Black	P-PUG39	109.92
Slightly overwound hot output (#3), Zebra	P-PUG41	109.95
Slightly overwound hot output (#3), Nickel	P-PUG19	102.95
Slightly overwound hot output (#3), Gold	P-PUG40	120.95

Burstbucker Pros

Alnico 5, wax potted.

Neck, Nickel	P-PUG31	\$119.95
Bridge, Nickel	P-PUG32	119.95
Neck, Gold	P-PUG59	130.95
Bridge, Gold	P-PUG60	130.95

490 Modern Classic Series

A neck position "modern" vintage Humbucker. The tonal characteristics provide a combination of rich, full lows and increased treble clarity. Alnico II, wax potted.

490R Double Black	P-PUG6	\$77.95
490R Zebra	P-PUG61	80.95
490R Nickel cover	P-PUG8	84.95
490R Chrome cover	P-PUG5	84.95
490R Gold cover	P-PUG7	88.95

A bridge position "modern" vintage Humbucker. The tonal characteristics provide a wide range of possibilities, from great clean rhythms to fat and nasty leads.

490T Double Black	P-PUG10	\$77.95
490T Zebra	P-PUG62	80.95
490T Nickel cover	P-PUG12	84.95
490T Chrome cover	P-PUG9	84.95
490T Gold cover	P-PUG11	88.95

496R Series

"Hot Ceramic" Humbucker Neck, wax potted.

496R Double Black	P-PUG27	\$80.95
496R Zebra	P-PUG28	80.95

498T Series

"Hot AlNiCo" Humbucker Bridge. Alnico 5, wax potted.

Double Black	P-PUG48	\$80.95
Zebra	P-PUG49	80.95
Nickel cover	P-PUG22	84.95
Chrome cover	P-PUG20	84.95
Gold cover	P-PUG21	88.95

500T Series

Super Ceramic, Humbucker Bridge or Neck, wax potted.

Double Black	P-PUG23	\$77.95
Zebra	P-PUG24	77.95

Dirty Fingers

"Hot Ceramic" Neck, wax potted.

Double Black	P-PUG50	\$96.95
--------------	---------	---------

Original Mini-Humbucker

Alnico II, wax potted.

Chrome, rhythm	P-PUG51	\$98.95
Chrome, treble	P-PUG52	98.95

P-90 Single Coil Series

A single coil soap bar style pickup, and a true Gibson® innovation that lives on! The P-90 has a raspy, fat tone with an emphasized midrange punch. It is a rock & roll pickup that has a very unique personality among other pickups. Bridge or neck position. Alnico 5, wax potted.

Black soapbar cover	P-PUG13	\$73.95
Black dogear cover	P-PUG14	73.95
Cream soapbar cover	P-PUG25	73.95
Cream dogear cover	P-PUG26	73.95

P-94R Series

Humbucker sized P-90s. Alnico 5, wax potted.

Black with chrome cover, neck	P-PUG53	\$94.95
Cream with chrome cover, neck	P-PUG54	94.95
Black with chrome cover, bridge	P-PUG55	94.95
Cream with chrome cover, bridge	P-PUG56	94.95

Tony Iommi Signature Series Humbucker

PAF configuration, wax potted.

Black chrome cover	P-PUG57	\$134.95
Chrome cover	P-PUG58	130.95

Original Gibson® Pickup Covers

Humbucker Neck position, Chrome	P-PUGCV-40	\$13.60
Humbucker Bridge position, Chrome	P-PUGCV-41	13.60
Humbucker Neck position, Gold	P-PUGCV-42	18.85
Humbucker Bridge position, Gold	P-PUGCV-43	18.85
Humbucker Neck position, Nickel	P-PUGCV-44	13.60
Humbucker Bridge position, Nickel	P-PUGCV-45	13.60
P-90/P-100 "Dog Ear", Black	P-PUGCV-46	11.85
P-90/P-100 "Dog Ear", Cream	P-PUGCV-47	11.85
P-90/P-100 "Soap Bar", Black	P-PUGCV-48	11.85
P-90/P-100 "Soap Bar", Cream	P-PUGCV-49	11.85

Pickup Mounting Rings

1/8", neck, Black	P-PUGMR-NB	\$5.85
1/8", neck, Cream	P-PUGMR-NC	5.85
3/8", bridge, Black	P-PUGMR-BB	5.85
3/8", bridge, Cream	P-PUGMR-BC	5.85
Historic, 1/4" neck, 1/2" bridge, Cream	P-PUGMR-HC	20.95



Fender® Original Stratocaster®

Texas Special Strat, Set of 3 - Bridge, Middle, Neck

Overwound, calibrated, vintage style Stratocaster® pickups with plenty of midrange chirp, crystal highs and tight bass. AlNiCo 5 magnets and enamel coated magnet wire create the increased output that demands respect!

P-PUF50 \$186.95

Vintage Noiseless, Set of 3 - Bridge, Middle, Neck

Special beveled edge AlNiCo 5 magnets and enamel-coated magnet wire produce the brilliant clarity, definition and harmonic attributes of a vintage Strat in a "noiseless" package. Each Vintage "Noiseless" Strat pickup comes with 3 pots, a capacitor and resistor to enhance your "Noiseless" experience.

P-PUF51 \$155.95

'57/'62 Strat

Single Coil, DC Resistance: 5.6K, Inductance: 3.0 Henries

P-PUF52 \$51.95

Set of 3 - Bridge, Middle, Neck

P-PUF52-3 139.95

Fender® Original Telecaster®

Texas Tele Special, Set of 2 - Bridge, Neck

These overwound Tele pickups are constructed with AlNiCo 5 magnets and enamel coated magnet wire. The bridge pickup features a copper plated steel bottom plate for increased output, presence and midrange, while the nickel-silver cover on the neck pickup produces a clear warm tone that only a true Custom Shop Tele pickup can do.

DC Resistance: 10.5K, Inductance: 3.95 Henries

P-PUF53 \$145.95

Original Reissue Tele

Neck, DC Resistance: 7.7K, Inductance: 2.45 Henries

P-PUF54 \$58.50

Bridge, DC Resistance: 7.2K, Inductance: 3.27 Henries

P-PUF55 58.50

Set of 2 - Neck, Bridge

P-PUF70 103.95

'72 Humbucking bridge

P-PUF71 74.75

'72 Humbucking neck

P-PUF72 74.75

Fender® Original Bass

Precision Bass Pickup

P-PUF60 \$74.75

Jazz Bass Neck

P-PUF61 58.50

Jazz Bass Bridge

P-PUF62 58.50

Jazz Bass Neck and Bridge

P-PUF65 103.95

Gretsch Original Pickups

Dual coil.

Filtertron bridge

P-PUGRET1 \$59.75

Filtertron neck

P-PUGRET2 59.75

Lace Sensors for Fender®

Made in the U.S.A.

The Lace Sensor Gold™ 3 Pack

Designed to duplicate an early Fender® single coil pickup. With a crisp top end and bell-like tones, the Lace Sensor Gold™ utilizes the latest technology to provide excellent tone for today's players. Lace has been making these world famous patented pickups since 1985 and they were used exclusively by Fender® until 1996.

P-PUL6-G-3 \$127.95

Lace Sensor Plus 3 Pack

Contains the following white cover pickups:

BLUE - Slightly increased output with the warmer '50s humbucking sound in a single coil configuration. Neck position

RED - The hottest output in the Lace Sensor series. Bridge position

SILVER - A fat '70s single coil sound with increased output and more midrange. Middle position

P-PUL7-BSR-3 \$129.95

Made in the U.S.A.

Holy Grail™ - The ultimate hum canceling vintage toned pickup; the tone of a '54 Strat® without the noise or the price tag. Pure Alnico 5 magnets combined with Lace technology delivers the classic tone you have been searching for.

Single coil. Aged White. 10.7K each	P-PUL01-AW	\$75.95
3 Pack. 10.7K neck and mid, 11.5K bridge	P-PUL01-AW-3	184.95

Hot Gold - A true, noise reduced single coil pickup upgraded with hotter barium ferrite magnets for a slightly stronger output than the Gold Lace Sensors.

White covers. 3 Pack, neck and mid 6.0K, bridge 13.2K	P-PUL02-W-3	149.95
---	-------------	--------

Tele® - Traditional vintage tone and clarity but without the noise.

2 Pack	P-PUL03-2	132.95
--------	-----------	--------

Alumitone - The first new pickup from this century. The aluminum, water jet cut exoskeleton is matted to a microwinding using 90% less fine copper wire, resulting in a low impedance/high impedance pickup. This new pickup has more bass and mids then traditional single coils and more volume.

Pickguard Note: Alumitones require a rectangular cutout, simple modification is usually required.

Chrome. 3 Pack	P-PUL04-C-3	159.95
----------------	-------------	--------

Hemi™ Humbucker - This pickup is one of a kind, due to its single coil, humbucker style components - vintage gauge coil wire and hot, barium ferrite magnets. Vintage humbucker and single coil tones combine.

2 Pack	P-PUL5-2	146.95
--------	----------	--------

Acoustic - California. Compare this super high quality acoustic pickup to any "slab of wood" type sound hole pickup with 20 feet of cable and you will know the difference.

Sound hole pickup	P-PUL21-CA	76.95
-------------------	------------	-------

Acoustic - Ultra slim, for resonator and acoustic guitars

High quality, ultra slim, Chrome, .275" tall	P-PUL22-USA	134.95
--	-------------	--------

Dobro

Round neck, Black	P-PUL30-RN	87.95
-------------------	------------	-------

Square neck, Black	P-PUL30-SN	87.95
--------------------	------------	-------

Lace Bass Pickups

Hum-reduced pickups, lots of warmth and that familiar vintage vibe and definition. Precise harmonic content adding precision, tone and clarity.

P-Bass, Black. Set of 2	P-PUL60	\$81.95
-------------------------	---------	---------

J-Bass Neck, Black	P-PUL61-N	69.95
--------------------	-----------	-------

J-Bass Bridge, Black	P-PUL61-B	69.95
----------------------	-----------	-------

J-Bass Set Neck and Bridge, Black	P-PUL65	120.95
-----------------------------------	---------	--------

Powered by Lace

High performing single coil pickup voiced for all around playing and noise reduction.

Bridge, White	P-PUL10B-W	\$21.50
---------------	------------	---------

Middle, White	P-PUL10M-W	21.50
---------------	------------	-------

Neck, White	P-PUL10N-W	21.50
-------------	------------	-------

Enhance your Tele® twang with these great sounding, affordable pickups.

Bridge	P-PUL19B	22.95
--------	----------	-------

Neck	P-PUL19N	22.95
------	----------	-------

A great valued humbucker that does not compromise on tone. Includes a trim ring.

Bridge, Black	P-PUL12B-B	26.95
---------------	------------	-------

Neck, Black	P-PUL12N-B	26.95
-------------	------------	-------

Upgrade your stock lipstick pickup with this one for improved tone, sustain and volume.

Lip stick	P-PUL15-C	26.95
-----------	-----------	-------

Pickups - Lace

call 480.820.5411 or fax 800.706.6789/480.820.4643



Gibson® Pickguards and Pickguard Brackets

Studio black	P-PG50B	\$21.85
Custom black 5-ply	P-PG52B	24.50
Standard cream	P-PG54C	21.85
Historic '56 Les Paul (P-90). Cream	P-PGH56C	36.50
Historic '59 Les Paul. Cream	P-PGH59C	36.50
Bracket, Gold	P-PGB01	10.95
Bracket, Chrome	P-PGB02	9.50
Bracket, Nickel	P-PGB03	9.50

Original Fender® 11 Hole Stratocaster® Pickguards

White 3-ply W/B/W	P-PG10W	\$18.85
Black 3-ply B/W/B	P-PG10B	18.85
Parchment 3-ply P/B/P	P-PG10P	32.95
Mint green 3-ply MG/B/MG	P-PG10MG	32.95
Tortoise shell 4-ply TS/W/B/W	P-PG10TS	39.95
Black pearloid 4-ply BP/W/B/W	P-PG10BP	39.95
White pearloid 4-ply WP/W/B/W	P-PG10WP	39.95
Blue moto. 4-ply BM/W/B/W	P-PG10BL	29.95
Chrome	P-PG10C	48.50
Gold	P-PG10G	53.85
Gold anodized	P-PG10GA	39.95
'62 white 3-ply W/B/W	P-PG12W	18.85
'62 black 3-ply B/W/B	P-PG12B	18.85
'62 mint green 3-ply MG/B/MG	P-PG12MG	32.95
'62 pickguard shield	P-PG12-SHIELD	14.95
Lonestar black pearloid 4-ply BP/W/B/W 1 hum, 2 single coil	P-PG13BP	39.95
Black pearloid 4-ply BP/W/B/W 2 hum	P-PG11BP	39.95
White pearloid 4-ply WP/W/B/W 2 hum, 1 single	P-PG11WP	39.95

Original Fender® 8 Hole Stratocaster® Pickguards

'57 white 1-ply	P-PG15W	\$18.85
'57 black 3-ply B/W/B	P-PG15B	18.85
'57 white pearloid 4-ply WP/W/B/W	P-PG15WP	39.95
'57 tortoise shell 4-ply TS/W/B/W	P-PG15TS	48.50
'57 gold anodized aluminum	P-PG15GA	39.50

Original Fender® 8 Hole Telecaster® Pickguards

For most American Telecasters®.

White 3-ply W/B/W	P-PG14W	\$18.85
Black 3-ply B/W/B	P-PG14B	18.85
Parchment 3-ply P/B/P	P-PG14P	25.95
Mint green 3-ply MG/B/MG	P-PG14MG	25.95
White pearloid 4-ply WP/W/B/W	P-PG14WP	37.25
Black pearloid 4-ply BP/W/B/W	P-PG14BP	37.25
Tortoise shell 4-ply TS/W/B/W	P-PG14TS	37.25
Chrome	P-PG14C	39.95
Gold	P-PG14G	71.95

Original Fender® 5 Hole Telecaster® Pickguard

'52 black 1-ply	P-PG16B	\$37.25
-----------------	---------	---------

Original Fender® Jaguar and Jazzmaster Pickguards

Jaguar tortoise shell 4-ply TS/W/B/W	P-PG17TS	\$37.25
Jazzmaster tortoise shell 4-ply TS/W/B/W	P-PG18TS	61.50

Fender® Precision and Jazz Bass Pickguards

P-Bass, parchment 3-ply P/B/P	P-PG21P	\$37.25
P-Bass, mint green 3-ply MG/B/MG	P-PG21MG	39.95
P-Bass, black 3-ply B/W/B	P-PG21B	22.75
P-Bass, white pearloid 4-ply WP/W/B/W	P-PG21WP	39.95
'51 P-Bass, black 1-ply	P-PG24B	16.95
'57 P-Bass, gold anodized	P-PG22GA	39.95
'62 P-Bass shield	P-PG19-SHIELD	15.50
'62 P-Bass, white 3-ply W/B/W	P-PG19W	22.25
'62 P-Bass, tortoise shell 4-ply TS/W/B/W	P-PG19TS	47.95
J-Bass, white 3-ply W/B/W, truss rod notch	P-PG20W	25.95
J-Bass, black 3-ply B/W/B, truss rod notch	P-PG20B	25.95
J-Bass, parchment 3-ply P/B/P, truss rod notch	P-PG20P	33.50
J-Bass, white pearloid 4-ply WP/B/W/B	P-PG20WP	37.25
'62 J-Bass, tortoise shell 4-ply TS/W/B/W	P-PG23TS	39.95

Pickguards - Retro Fit for Fender®

Replacement for Strat, 3-ply, B/W/B	P-PGSB	\$11.95
Replacement for Strat, 3-ply, W/B/W	P-PGSW	11.95
Replacement for Strat, 3-ply, tortoise shell	P-PGSTS	12.95
Replacement for Tele, 3-ply, B/W/B	P-PGTB	11.95
Replacement for Tele, 3-ply, W/B/W	P-PGTW	11.95
Replacement for P-Bass, 3-ply, B/W/B	P-PGPB	11.95
Replacement for P-Bass, 3-ply, W/B/W	P-PGPW	11.95
Replacement for J-Bass, 3-ply, B/W/B	P-PGJB	12.95
Replacement for J-Bass, 3-ply, W/B/W	P-PGJW	11.95

Pickguard Screws

Original Fender®. Package of 24	P-PGA1	\$3.25
100 pieces, chrome	P-GTSC-100	5.60
100 pieces, black	P-GTSB-100	6.25

Backplates for Fender®

Replacement for Strat, 3-ply, B/W/B	P-GPBSB	\$4.95
Replacement for Strat, 3-ply, W/B/W	P-GPBSW	4.95
Original Fender® white pearloid	P-H163	18.65

Single Coil Pickup Covers for Fender®

Replacement for Strat, white, package of 3	P-PUFCVW-3	\$2.95
Replacement for Strat, cream, package of 3	P-PUFCVC-3	2.95
Replacement for Strat, black, package of 3	P-PUFCVB-3	2.95
Original Fender® Strat, black, package of 3	P-PUFCV-1	7.50
Original Fender® Strat, white, package of 3	P-PUFCV-2	7.50
Original Fender® '57/'62 P-Bass, package of 2	P-PUFCV-3	7.50
Original Fender® Vintage J-Bass, package of 2	P-PUFCV-4	8.25





Original Fender® Bridge and Pickup Covers

Metal Chrome

Bridge, vintage Strat guitar	P-GCOV-1	\$7.50
Bridge, vintage Tele guitar	P-GCOV-2	13.25
Bridge, Jaguar/Jazzmaster guitar	P-GCOV-3	10.50
Bridge, '51 P-Bass/Tele bass	P-GCOV-4	11.95
Bridge, vintage P-Bass	P-GCOV-5	17.25
Bridge, vintage J-Bass	P-GCOV-6	17.95
Pickup, vintage P-Bass	P-GCOV-20	11.95
Pickup, vintage J-Bass	P-GCOV-21	11.95
Pickup, '51 P-Bass/ Tele bass	P-GCOV-22	14.25

Original Fender® Control Plates

Metal chrome, screws included.

Vintage J-Bass 3-hole	P-H160	\$14.95
Standard J-Bass 4-hole	P-H161	14.95
Vintage Tele guitar	P-H162	13.50

Jack Plates & Cups

Original Fender® for Strat, chrome, screws included	P-H164	\$7.50
Original Fender® for Tele, nickel	P-H165	5.95
Replacement for Strat, chrome	P-GTSJP-C	4.35
Replacement for Strat, black	P-GTSJP-B	4.35
Replacement for Tele, chrome	P-GTTJP-C	3.25

Neck Plates

4 hole, chrome, screws included	P-GTNP-4-C	\$4.35
Original Fender® neck mounting screws, package of 4	P-GTNP-SCREWS	3.25
Original Fender®, 4 bolt, 70s "F" chrome	P-GTNP-4C-FND	9.75
Original Fender®, 3 bolt, 70s "F" chrome	P-GTNP-3C-FND	6.85
Original Fender® American standard, 4-bolt with truss rod hole, chrome	P-GTNP-4C-FND-2	11.95
Original Fender® American standard, 4-bolt for bass, chrome	P-GTNP-4C-FND-3	11.25

Original Gibson® Backplates and Control Plates

Screws included

Black, backplate combo	P-H174	\$16.25
Black, control plate	P-H175	9.95
Black, SG control plate	P-H176	9.95

Original Gibson® Switchwasher

Black with gold imprint	P-GTWA01	\$3.95
Black with white imprint	P-GTWA02	3.95
Cream with gold imprint	P-GTWA03	3.95

Original Gibson® Truss Rod Cover

Screws included

Black, blank	P-GTTR01	\$9.95
Black, Les Paul Custom with gold screws	P-GTTR02	14.50
Black, Les Paul Standard with nickel screws	P-GTTR03	14.50
Black, Les Paul Studio with nickel screws	P-GTTR04	14.50

Original Gibson® Jack Plates

Screws included

Black plastic	P-H170	\$4.80
Gold	P-H171	9.75
Cream plastic	P-H172	4.80
Nickel	P-H173	8.75

Original Gibson® Switchplate Cover

Screws included

Black	P-GTSP01	\$6.50
-------	----------	--------

Gibson



Gibson® Tuning Keys

Vintage nickel with pearloid buttons. Set of 6	P-GTMH20	\$64.95
Modern nickel with metal buttons. Set of 6	P-GTMH21	64.95
Vintage gold with pearloid buttons. Set of 6	P-GTMH22	70.95
Modern gold with metal buttons. Set of 6	P-GTMH23	70.95
Black Grover. Set of 6	P-GTMH24	51.95

Gibson® Historic Tuning Keys

Vintage, pearloid buttons. Set of 6	P-GTMH25	\$83.50
-------------------------------------	----------	---------

Fender® Tuning Keys

Vintage style for Strats and Teles. Set of 6	P-GTMH01	\$34.95
Vintage style for Strats and Teles. Gold. Set of 6	P-GTMH06	52.50
1970s "F" style. Set of 6	P-GTMH02	43.95
American Series. Chrome. Set of 6	P-GTMH03	38.95
American Series. Gold. Set of 6	P-GTMH05	57.95
Schaller locking. American standard. Chrome. Set of 6	P-GTMH04	69.95
Vintage tuner mounting screws. Set of 12	P-GTTS	3.85
Vintage Bass Reversed Wind. Nickel. Set of 4	P-GTMH07	66.95

Fender® Ferrules & Bushings

For American Teles, 6 pieces, chrome	P-GTF-C	\$7.50
For original Teles, 6 pieces, nickel	P-GTF-N	8.25
Bushings for vintage tuning key. Nickel. Set of 6	P-GTBSH-V	6.25
Vintage Bass Tuning Key Bushings. Nickel. Set of 4	P-GTBSH-VB	6.75

Hipshot Tuning Keys

Made in the USA

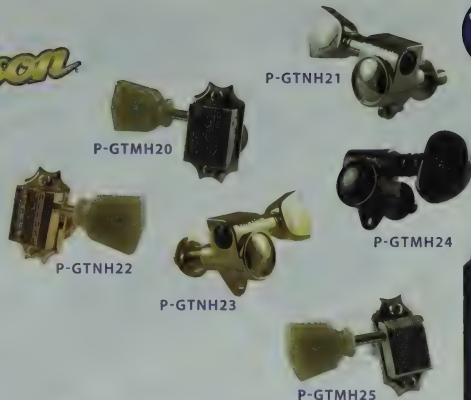
Tuning Keys

Ultra Lite tuner. Clover key HB6C 3/4" chrome, bass side	P-GH-UL-1C	\$20.25
Ultra Lite tuner. Clover key HB6C 1/2" chrome, bass side	P-GH-UL-2C	20.25
Ultra Lite tuner. Y key HB6Y 3/8" chrome, bass side	P-GH-UL-3C	20.25
Ultra Lite tuner. Y key HB6Y 3/8" black, bass side	P-GH-UL-3B	21.50
HB2 fits 11/16" headstock holes. Upgrade your USA '67-'82. Fender® P&J Bass, chrome, bass side.	P-GH-TM-1C	17.85

Xtenders Keys

BT2 drop tune your USA '67-'82 Fender® P&J Bass. Fits 1 1/8" headstock hole, chrome	P-BH-XK-2C	\$60.30
BT3 drop tune your pre-CBs Fender® P&J Bass that are equipped with reverse winding Kluson tuning machines. 1 1/8" headstock holes	P-BH-XK-3C	60.30
GT1 drop tune your guitar that uses Grover machines, chrome	P-GH-XK-1C	60.50
GT2 drop tune your guitar that uses Schaller machines, chrome	P-GH-XK-2C	60.50

Gibson



Fender



HIPSHOT
PRODUCTS, INC.



Machine Heads

call 480.820.5411 or fax 800.706.6789/480.820.4643





Fender® Bridges

American Vintage Stratocaster® Bridge / Tremolo Assembly. Includes: bridge assembly; claw; tremolo tension springs; tremolo arm; trem arm tip; trem arm tension spring; string tree; .050 hex adjustment wrench and mounting screws.

Nickel	P-GTVS-N	\$97.50
Gold	P-GTVS-G	122.95

American Series Stratocaster® Bridge / Tremolo Assembly (Am Srs, Am Std, Am D1x). Powder coated steel saddles, screw in tremolo arm. Tremolo arm, intonation and tension springs, and mounting hardware included.

Nickel	P-GTAM	\$71.50
Gold	P-GTAM-G	107.95
Vintage Jazz and Precision Bass, Chrome	P-GTFB-C	26.10

Telecaster Bridges

Vintage Tele, 3-saddle, Chrome	P-GTVT-C	50.50
Vintage Tele, 3-saddle, Gold	P-GTVT-G	59.75
American Series, Tele 6-saddle rectangular, chrome	P-GTAMT-C	52.25
American Series, Tele 6-saddle rectangular, gold	P-GTAMT-G	59.50
Tele Bridge 6-saddle with 6 barrel saddles, chrome	P-GTT-C	44.75

Fender® Saddles

Vintage Strat. Nickel-plated saddles with centered intonation screws.

Set of 6	P-GTBS-VS	\$31.95
----------	-----------	---------

American Series. Powder coated steel bridge sections with offset intonation screws.

Set of 6	P-GTBS-AM	17.95
----------	-----------	-------

Vintage Tele, Brass with centered intonation screws.

Set of 3	P-GTBS-VT	17.95
----------	-----------	-------

Tremolo Arms and Tips

American Strat. Original Fender®	P-GTARM01	\$8.95
Vintage Strat. Original Fender®	P-GTARM02	11.50
Vintage Strat	P-GTARMV01	3.95
'62 Jaguar/Jazzmaster. Original Fender®	P-GTARM03	12.65
Strat, Aged White tip. Original Fender®. Package of 2	P-GT-ARM-AW	2.95
Strat, Black tip. Original Fender®. Package of 2	P-GT-ARM-B	2.95
Strat, White tip. Original Fender®. Package of 2	P-GT-ARM-W	2.95

Tremolo Parts

Tremolo springs. Package of 3	P-GTSPRN-3	\$4.95
Anchors, American standard Tremolo. Set of 2	P-GTAST-A	5.25
Inserts, American standard Tremolo. Set of 2	P-GTAST-I	3.75

"Raw Vintage" Pure Steel Saddles

Manufactured down to the molecular level for consistent vintage tone

11.2 mm / 0.441 inch Pitch "Fender® USA" type	P-GRVS-112	\$59.95
10.8 mm / 0.425 inch Pitch "Gotoh Japan" type	P-GRVS-108	59.95

"Raw Vintage" Tremolo Springs

Increased weight, for fatter tone. Wire Diameter: 1.3 mm. Overall Diameter: 8.86 mm. Nickel plated

5 piece set	P-GRVTS-1	\$14.95
-------------	-----------	---------

Hipshot Trem-Setter

The Trem-Setter greatly improves guitar performance by automatically returning your full floating tremolo to an exact "zero" neutral position, eliminating flutter and sag, so your guitar remains in tune.

P-GTREMSETTER	\$34.55
---------------	---------

Gibson® Bridges

With full assemblies.

Chrome ABR-1	P-GTABR-C	\$48.50
Nickel ABR-1	P-GTABR-N	48.50
Gold ABR-1	P-GTABR-G	57.50
Chrome ABR-1 with Rosewood base assembly	P-GTABR-RC	63.95
Nickel ABR-1 with Rosewood base assembly	P-GTABR-RN	63.95
Gold ABR-1 with Rosewood base assembly	P-GTABR-RG	68.95
Chrome Nashville Tune-o-Matic	P-GTTOM-C	53.95
Gold Nashville Tune-o-Matic	P-GTTOM-G	57.50
Black chrome Nashville Tune-o-Matic	P-GTTOM-B	54.95
Nickel Nashville Tune-o-Matic	P-GTTOM-N	53.95

Gibson® Historic Bridges

Tail piece, Nickel	P-GTHAL-N	\$149.95
Lightning bar, wraparound	P-GTHLBW	136.95

Gibson® Saddles

Replacement saddles and screws.

6 Chrome ABR-1	P-GTBS-ABR-C	\$22.95
6 Gold ABR-1	P-GTBS-ABR-G	24.95
6 Nashville Tune-o-Matic, Chrome	P-GTBS-TOM-C	22.95
6 Nashville Tune-o-Matic, Gold	P-GTBS-TOM-G	24.95

Gibson® Tailpieces

Stop bars with studs and inserts.

Chrome	P-GTBAR-C	\$42.50
Nickel	P-GTBAR-N	42.50
Gold	P-GTBAR-G	46.95
Black chrome	P-GTBAR-B	58.95
Chrome TP-6 with fine tuners	P-GTTP-6C	117.95
Gold TP-6 with fine tuners	P-GTTP-6G	125.50

Replacement Bridges for Gibson®

Retro fit for Les Paul Standard, chrome	P-GTB800	\$13.75
Retro fit for Les Paul, vintage ABR, chrome	P-GTB810	13.75
Retro fit for Les Paul, tailpiece, chrome	P-GTB820	10.65

Hipshot Bridges

Fixed guitar in brass, .125 with stainless steel saddles, chrome	P-GH-FB-C	\$78.65
Baby Grand guitar retrofits on Gibson® style stud mounted guitars. 3/4" stud spacing	P-GH-BG-C	79.20
Full floating guitar US countour tremolo bridge in brass, chrome	P-GH-TREM-1BC	97.20
A type 4 string bass, 19mm string spacing for Fender® replacement hole pattern, chrome, aluminum	P-BH-A-4ALC	79.95
A type 4 string bass, 19mm string spacing for Fender® replacement hole pattern, chrome, brass	P-BH-A-4BC	91.90
A type 5 string bass, 18mm string spacing, chrome brass	P-BH-A-5BC	104.35

HIPSHOT
PRODUCTS, INC.





P-GTSB01

P-GTSB02

P-GTSBC-C

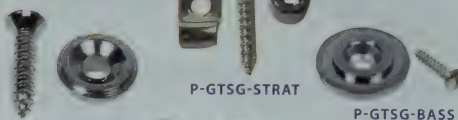
P-GTSB05

P-GTSB04

P-GTSB03

P-GTSBT-C

Fender



P-GTSG-TELE

P-GTSG-STRAT

P-GTSG-BASS



P-GTSG-AM



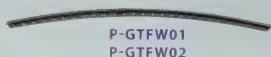
P-GTS-NUT-A



P-GTS-NUT-V



P-B-THUMB



P-GTFW01

P-GTFW02

Gibson



P-GTFW21

Dunlop

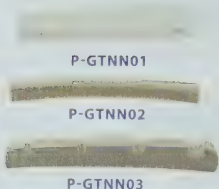


P-GTN-55



P-GTFW6230

P-GTFW6130



P-GTNN01

P-GTNN02

P-GTNN03



P-GTS-KIT



P-GWRENCH-3

Strap Buttons

Original Gibson® brass, package of 2	P-GTSB01	\$3.35
Original Gibson® aluminum, package of 2	P-GTSB02	3.35
Gibson® style, chrome, package of 2	P-GTSBC-C	2.80
Original Fender® American series, package of 2	P-GTSB05	3.75
Original Fender®, vintage, package of 2	P-GTSB04	3.85
Original Fender®, straplocks with buttons, package of 2	P-GTSB03	11.95
Fender® style, chrome, package of 2	P-GTSBT-C	2.80

Original Fender® String Guides

For Strats, package of 2	P-GTSG-STRAT	\$7.50
For Bass, single	P-GTSG-BASS	4.50
For Tele, single	P-GTSG-TELE	7.50
American Series, package of 2	P-GTSG-AM	5.25

Original Fender® Truss Rod Nuts

American Strat, Allen head	P-GTS-NUT-A	\$4.50
Vintage Style	P-GTS-NUT-V	5.25

Original Fender® Thumb Rest

P & J Bass, black	P-B-THUMB	\$4.50
-------------------	-----------	--------

Original Fender® Fret Wire

Standard guitar. Pre-cut, 24 pieces	P-GTFW01	\$7.75
Vintage guitar. Pre-cut, 24 pieces	P-GTFW02	7.75

Original Gibson® Fretwire

Gibson® pre-cut wire 2 1/2" length. 26 pieces.	P-GTFW21	\$12.50
--	----------	---------

Dunlop Fretwire

6230, .043" x .078", Dunlop®, 28% nickel/silver hard alloy, 2 1/2" long, 24 pieces. Medium/regular size good on early Fenders®	P-GTFW6230	\$8.95
6130, .036" x .106", Dunlop®, 28% nickel/silver hard alloy, 2 1/2" long, 24 pieces. Large/Jumbo size good on early Gibson®	P-GTFW6130	9.95

Nuts for Guitar

Assorted, for guitars, 55 pieces	P-GTN-55	\$21.85
Plastic, 1 1/8" pre-cut. Original Gibson®	P-GTNN01	3.75
Blanks, bone. Package of 2, Original Fender®	P-GTNN02	3.95
For American P-Bass, Original Fender®	P-GTNN03	6.85

Screw Set for Guitar

Screws, 1,650 assorted pieces, see web for details	P-GTS-KIT	\$89.95
--	-----------	---------

Allen Wrench Set

2.5mm, 3mm, 4mm. Set of three	P-GWRENCH-3	\$2.50
-------------------------------	-------------	--------

Gibson® Strings

Vintage Re-Issue Pure Nickel

.009-.042	S-SVR9	\$5.95
.010-.046	S-SVR10	5.95
.011-.050	S-SVR11	5.95

Les Paul® Pure Nickel

.009-.042	S-SLP9	\$6.95
.010-.046	S-SLP10	6.95

Fender® Strings

Original 150's. Ball End

.008-.038	S-S150SL	\$4.95
.009-.040	S-S150XL	4.95
.009-.042	S-S150L	4.95
.010-.038	S-S150	4.95
.010-.046	S-S150R	4.95
.011-.049	S-S150M	4.95

Original 250's. Ball End

.009-.042	S-S250L	\$4.95
.010-.046	S-S250R	4.95
.011-.049	S-S250M	4.95

Jensen® Guitar Picks

Thin. Package of 4	S-PJENSEN-T	\$1.20
Medium. Package of 4	S-PJENSEN-M	1.20
Heavy. Package of 4	S-PJENSEN-H	1.20
Extra Heavy. Package of 4	S-PJENSEN-XH	1.20

Gibson® Luthier's Choice

4 oz bottle each of polish, string cleaner, and fretboard conditioner.

P-GAILC-975 \$7.50

Gibson® Vintage Reissue Guitar Restoration Kit

Includes restoration cream, premium fretboard conditioner, low-abrasion metal cleaner, and two polishing cloths.

P-GTRK1 \$12.50

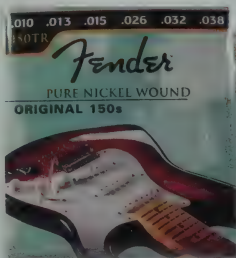
Polish Cloths

Gibson Polish Cloth	P-GAIGG-925	\$2.95
Antique Electronic Supply Polish Cloth	G-PCLOTH-AES	1.95

Dr. Duck's AxWax and String Lube

The ultimate organic cleaning/polishing/moisturizing formula for guitars and other musical instruments. For use on the entire fretboard, headstock, front, sides, back, and pickguards. Also cleans and lubes bridge saddles, fine tuners on locking tremolo systems, tuning machine knobs and posts. US made with US materials.

S-CDUCK \$6.95



P-GTRK1



P-GAILC-975



P-GAIGG-925



G-PCLOTH-AES



S-CDUCK

Fender® Guitar Cables

Vintage Voltage Cables provide a quality tone and vintage look. Each cable is constructed of gold tipped plugs and oxygen-free copper wire. They are wrapped with either tweed, black & silver, wheat or oxblood woven exteriors.

Tweed, 10 feet	P-H272	\$12.50
Tweed, 18 feet	P-H273	14.95
Black/Silver, 10 feet	P-H274	12.50
Black/Silver, 18 feet	P-H275	14.95
Brown/Wheat, 10 feet	P-H276	12.50
Brown/Oxblood, 10 feet	P-H278	12.50
Brown/Oxblood, 18 feet	P-H279	14.95

Excellines Guitar Cables

16 AWG Guitar Cable with Straight ¼" Plugs

Excellines cables are the world renowned industry standard and the musician's choice. Made with premium quality plugs.

1 foot	P-HEG1	\$9.85
2 feet	P-HEG2	9.95
3 feet	P-HEG3	9.85
5 feet	P-HEG5	9.95
10 feet	P-HEG10	11.25
15 feet	P-HEG15	14.25
18.5 feet	P-HEG186	13.50
25 feet	P-HEG25	14.85
30 feet	P-HEG30	16.60

16 AWG Guitar Cable With One Straight & One Right Angle ¼" Plug

Made with premium quality plugs.

10 feet	P-HEG10L	\$13.50
18.5 feet	P-HEG186L	14.95

16 AWG Speaker Cables ¼" Plugs

Excellines, 2 conductor portable speaker wire with premium quality plugs.

3 feet	P-HSG16-3	\$13.50
6 feet	P-HSG16-6	13.85
10 feet	P-HSG16-10	15.35
25 feet	P-HSG16-25	19.75

ProCo StageMaster Cables

ProCo's most economical cable line, StageMaster cables are inexpensive and reliable. Constructed from quality materials and built to withstand everyday use. 16 AWG with ¼" plugs.

Guitar Cables

1 ft	P-HSMG-1	\$3.30
2 ft	P-HSMG-2	3.60
3 ft	P-HSMG-3	3.80
5 ft	P-HSMG-5	3.85
10 ft	P-HSMG-10	5.45
15 ft	P-HSMG-15	6.45
18.5 ft	P-HSMG-186	6.95
25 ft	P-HSMG-25	8.75

Speaker Cables

3 ft	P-HSMS-3	\$6.15
5 ft	P-HSMS-5	6.95
20 ft	P-HSMS-20	11.55

Microphone Cables

Female XLR to Male XLR.

10 ft	P-HSMM-10	\$6.15
15 ft	P-HSMM-15	7.15
20 ft	P-HSMM-20	8.35
25 ft	P-HSMM-25	9.70

Fender®



Signal Flex®

Instrument Cables

Molded ¼" ends

1 foot	P-HSFM-1	\$1.3
3 feet	P-HSFM-3	1.8
6 feet	P-HSFM-6	2.0
10 feet	P-HSFM-10	2.7
15 feet	P-HSFM-15	3.7
20 feet	P-HSFM-20	4.9

Patch Cords

Black cable with two right angle ¼" plugs

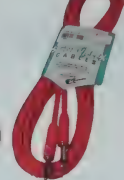
6', package of 6	P-HSFPC-6	\$7.50
12', package of 6	P-HSFPC-12	7.60
36', package of 6	P-HSFPC-36	10.90

Instrument Cables

5.5 mm black cable and colored shrink wrap, ¼" ends, 18.5 feet.

Blue wrap	P-HSFBW-186	\$4.95
Red wrap	P-HSFRW-186	4.95
White wrap	P-HSFWW-186	4.95

SIGNAL FLEX



EXCELLINES



ProCo



George Lynch Dragon 2 Morley Wah

This second Wah offering from George Lynch and Morley is a switchless, Electro-Optical Wah with three Wah modes: Wah (traditional), Wow (bit of overdrive with unique vowel-like tone) and Wah Lock (allows user to electronically lock the Wah in Wah mode. A notch knob allows you to dial in the appropriate Wah frequency.) Decked out in Ninja Red with black details and a unique Graphic Treadle Rubber. Suitable for Guitar, Bass, or Keys.

M-GLW2**\$149.00****T.M. Stevens Morley Fonk Wah**

T.M. Stevens helped Morley create the ultimate Bass Wah. This switchless Wah has two footswitchable wah modes - Traditional and FONK Wah; both voiced for Bass Guitar frequencies. Traditional Wah mode gives you that vintage Wah tone you'd expect. Click on the FONK Wah switch and you get a lively, percussive and FONKY Wah that is great for slappin' and poppin'. Comes with a trim knob and LED for adjusting input level for active or passive pickups.

M-TMS**\$149.00****Morley, Steve Vai Bad Horsie 2 Contour WAH**

An electro-optical, switchless Wah set to Steve Vai's precise specifications with two footswitchable Wah modes: Bad Horsie Wah and Contour Wah. In Contour mode, two knobs allow you to alter the Wah frequency and level. Equipped with a "True-Tone Bypass" buffer circuitry to prevent signal loading and maintain guitar tone/volume. Also equipped with LED indication and easy access battery compartment.

3.8 lbs

M-VAI-2**\$139.95****Morley Power WAH**

The new HQ2 gives the Power Wah vintage tone with modern features. This Electro-Optical Wah has a Wah level knob, LED indication and an easy access battery. It is also equipped with TrueTone Bypass that drives long cables and prevents signal loading. The best of both vintage and modern sounds!

M-PW0**\$95.95****Morley Volume Plus**

Electro-Optical circuitry and audio taper allow smooth, studio quiet volume control. Minimum Volume control is now footswitchable, includes LED indication and has an easy access battery compartment.

M-PVOPLUS**\$79.95****HUM X Exterminator**

Ebtech, Hum X exterminates ground hum at the source! Filters unwanted voltage and currents that cause ground hum at the source while maintaining an absolutely safe ground. Simply plug Hum X into the offending outlet and plug your equipment into Hum X. Also has an LED indicator.

0.45 lbs

M-HUM-X**\$69.95****Ebtech Swizz Army™ 6-in-1 Cable Tester®**

Checks XLR, 1/4" RCA, 1/8" TT and MIDI cables for continuity and/or intermittent connections. Detects opens and shorts for each pin and holds LED reading so you know exactly where the problem is. Other features include test tone generator (+4, -10, Mic), phantom power detector, grounded XLR shield detector and cable wiring display. Two AA batteries required.

M-SWIZZ-CT**\$99.00**

M-GLW2



M-TMS



M-VAI-2



M-PW0



M-PVOPLUS



M-SWIZZ-CT



M-HUM-X

MXR



M-M182

MXR El Grande Bass Fuzz

The MXR El Grande Bass Fuzz is a versatile and brutal fuzz designed for bass. Using a classic 70s fuzz circuit, it was retuned for more low end, a DEEP switch was added that delivers up to +15dB of monstrous bass that is internally adjustable between 87Hz and 113 Hz. And that is not all: Volume, Tone, and Fuzz controls let you sculpt your tone with precision to get everything that you need.

0.75 lb

M-M182

\$99.95

proco



M-RAT2

Rat 2

Smooth, continuously variable controls for distortion amount, filter cutoff and volume level let you preset just the right degree of overdrive, tune in on the presence and balance the output for that perfect extra boost. Distortion, sustain, fuzz, overdrive - from the sweet wail of the blues to the grinding raunch of the heaviest metal- **STOMP ON A RAT!**

1.6 lbs

M-RAT2

\$74.95



M-DTRAT

Deuce Tone Rat

The R2DU revisited! A modern day version of the original, the Deuce Tone Rat is equipped with two diode select switches to produce a variable sonic palette utilizing tones from the Vintage, Turbo, and two never before heard Rat sounds - the Clean and Dirty Rat. The two Rats can be used simultaneously or independently to turn your single channel amp into a multi-channelled monster. Rugged steel chassis and mil-spec epoxy-glass pc board insure long life and durability.

3 lbs

M-DTRAT

\$169.95



M-JRAT

Juggernaut - The Bass Player's Rat

Now, bass players can have their own radically different sound designed specifically for the bass. Provides three functions: A versatile distortion unit, a mixer to combine distortion with direct sound, and an effects loop for use with external processing devices. Utilizing the same steel enclosure as the Deucetone Rat, the built-like-a-tank Juggernaut is virtually indestructible.

3 lbs

M-JRAT

\$164.95



M-RPS1

Rat Battery Eliminator

No more searching for 9-volt batteries or electrocuting your tongue to find a good one. Works with all Rats.

0.4 lb

M-RPS1

\$11.75



M-FANTA

TAD Frequency Adapted Natural Tone Accessory

The F.A.N.T.A. Speaker Emulation is a low impedance, balanced symmetric, transformer coupled output. It gets wired between the speaker output of your amp and the speakers and does not require any power supply or battery. The F.A.N.T.A. provides a 3-pin XLR-Connector for a standard microphone cable to connect to the mixing console, recording system etc. The F.A.N.T.A. Emulation will respond to your playing and reacts like a real speaker system. You won't need to mic the amp anymore.

0.66 lb

M-FANTA

\$92.95

Maxon® OD808 Overdrive

The Original Overdrive! The OD808 is often imitated but never matched! Identical to the 1970s circuit and featuring the JRC4558 IC chip, it offers warm, smooth, transparent overdrive that'll make your rig scream! The OD808's dynamically responsive circuitry reacts precisely to individual playing styles, letting the true voice of any instrument or artist shine through. Don't settle for copies when you can have the original!

0.8 lb **M-OD808** **\$134.95**

Maxon® OD9 Overdrive

The OD9 may look just like your old favorite, but that's where the similarities end. Improved circuitry featuring the JRC4558 IC yields the ultra-smooth, creamy, dynamic overdrive so sought after by guitarists. Overdrive and output level controls adjust the intensity of overdrive and output volume, while the Hi Boost/Hi Cut Tone control adjusts the brightness from warm and smooth to sizzling hot. From subtle boosts to outrageous roars, the OD9 provides the artist with the widest range of usable, distinctly tube sounds available.

1.55 lbs **M-OD9** **\$142.95**

Maxon® OD9 Pro+ Overdrive

The OD9 Pro+ adds a low-noise NEC uPC4570 OP-Amp in the output stage that allows for less compression and more balanced frequency response. The OD9 Pro+ offers a switchable Boost feature that bumps the midrange by +3dB, and the overdrive level by +10dB, creating a thicker, slightly compressed overdrive tone.

1.58 lbs **M-OD9-PROPLUS** **\$199.95**

Maxon®

M-OD808



M-OD9



M-OD9-PROPLUS

Effects Pedals

Godlyke 9 Volt PA-9S Power-All® Digital Power Supply

9 Volt DC supply offers 2000 milliamps of current to power more pedals more consistently! Specially designed low-noise circuit delivers clean, quiet power. Includes 10 foot power cord with ferrite noise filter and locking jack. Auto-sensing circuitry runs off 100-240 volts, use it anywhere in the world.

M-PAS-S **\$17.95**

GODLYKE
DISTRIBUTING

M-PAS-S

Godlyke 9 Volt PA-9D Power-All® Digital Power Supply Deluxe Kit

Everything you need to power 11 pedals out of the box. Includes PA-9 Power-All® Digital Power Supply, Cable-11/R Daisy Chain Connector with spring-loaded right-angle jacks, Cable-Red/R reverse polarity (tip positive) cable with spring-loaded right-angle jack, Cable-Blue/R 1/8" (3.5mm) phone plug cable with right-angle jack, Cable-Green reverse polarity cable with 2.5 internal diameter spring-loaded jack, Cable-Black/R reverse polarity cable with spring-loaded right-angle jack, Cable-Greg battery clip cable, Cable-Black/R extension cable with spring-loaded right-angle jack, and five insulator caps for unused male barrel connectors on the Daisy Chain.

M-PAS-D **\$32.95**



M-PAS-D

Hotplate™ Power Attenuator

A power attenuator is a device placed between the speaker output and the speaker cabinet. It acts like a huge master volume control and permits the amp to be turned up most or all the way while absorbing most of the power generated by the amplifier and turning this power into heat. It passes a small part of the power to the speaker. Hotplates™ are used in recording studios for better separation between the instruments, and for use when the speaker sounds best at low levels, needs to play at low levels, or if it can't handle the power output. The Hotplate™ also makes a perfect dummy load. They can take 185 watts RMS continuous. The attenuation feature allows you to hook a speaker cabinet up to the load to monitor the signal. The line-out feature allows you to monitor the signal via a separate amplifier or hi-fi. The light shows you visually when there is signal present, and how much (relatively). 5 lbs each.

2 ohm Gold	M-HP-2	\$329.95
4 ohm Red	M-HP-4	329.95
8 ohm Purple	M-HP-8	329.95
16 ohm Blue	M-HP-16	329.95



M-HP-2

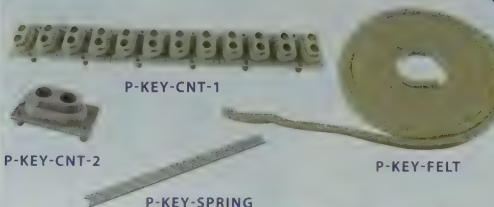
M-HP-4

M-HP-8

M-HP-16

call 480.820.5411 or fax 800.706.6789/480.820.4643





Korg® Keys

For M1, Trinity, Triton, 01-W, Wavestation and i30 keyboards.

High C	P-KEY-HC	\$6.25
A	P-KEY-A	8.70
B & E	P-KEY-B-E	7.50
C & F	P-KEY-C-F	7.50
D	P-KEY-D	7.50
G	P-KEY-G	8.70
Black	P-KEY-BLK	6.25

For X5, X5D

White octaves. Set of 7	P-KEY-WHT	\$9.95
-------------------------	-----------	--------

Korg® Key Felt Contacts and Spring

For N364 and X5 five are required. For N264 seven are required. 12 pieces, may be cut into 3 sets of 4

P-KEY-CNT-1	\$3.95
-------------	--------

For N364 and X5 one is required to complete set.

P-KEY-CNT-2	3.95
-------------	------

Sold individually

For Korg® and Yamaha keyboards. 5½ foot felt strip	P-KEY-FELT	5.65
--	------------	------

Key Spring for M1, Trinity, Triton, 01-W, Wavestation and i30 keyboards

P-KEY-SPRING	1.25
--------------	------

Korg® Midi Cable

PC compatible cable	B-CD700	\$17.50
---------------------	---------	---------

Korg® Cable

AC power cord for the Korg® KA-310 power adapter	S-W128	\$4.95
--	--------	--------

Korg® AC Adapters and Power Supplies

9V, 200-300mA, center + for GT3, DT3, AT1, AT2, and AT120	M-K010	\$9.45
4.5V, KA193 for PX4, PX4B, PXR4	M-K020	9.45
KA-210 for D1200, D1200CD, D1200MKII, 42 watts	M-K030	59.95
12V, 400-800mA for KP-1, X5D, X5DR, SP100, KAOSPAD, OSR/W	M-K040	23.75
9V, 500mA-1.2A, center+ for MS2000, microKONTROL, microKORG, Etribes, DT7, AX1G/B, AX100G, AX1500, GT12, OT12, PX3/3B	M-K050	12.50
9V, 3000mA, KA-163 for EMX-1, ESX-1, TRITON LE, Karma, KM-2, SP-500, D12, N1, N5, N5EX, 4 pin Din Korg® power adapter KA-310 for MicroX, R3, X50, MR-1000 and others	M-K060	28.15
	M-K080	29.95

Korg® Power Module

For MG100DFX	P-KORG-PM	\$14.95
--------------	-----------	---------

Korg® Mic

Condensor EM197K	P-KORG-MIC	\$25.95
------------------	------------	---------

Korg® Plastic Vent

Top plastic vent for many Korg® keyboards	P-KORG-VENT	\$4.95
---	-------------	--------

For more Marshall™/Korg® products, search for page by product type.

Motor Assembly for Leslie 122/147

Upper Slow	P-OH-101	\$59.95
Lower Slow	P-OH-102	\$9.95



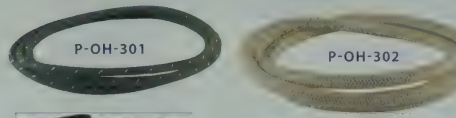
Motor Rebuild Kits for Leslie 122/147

Upper Slow	P-OH-201	\$4.95
Lower Slow	P-OH-202	4.95



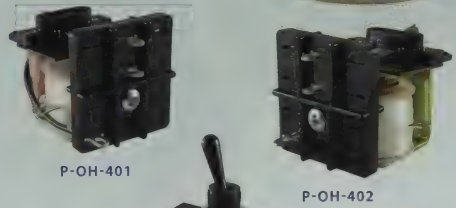
Leslie Belts

Upper drive. 25.5"	P-OH-301	\$17.50
Lower drive. 31"	P-OH-302	19.45



Leslie Relays

110 VDC for the 122	P-OH-401	\$35.95
115 VAC for the 147	P-OH-402	32.50



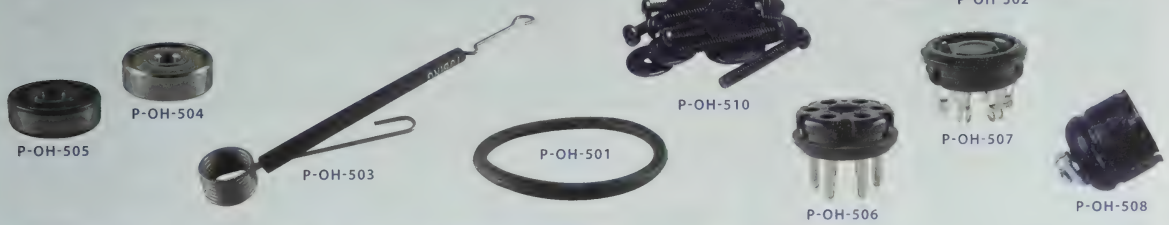
Start/Run Switch for Hammond Organs

Spring return. See web for specs	P-H603	\$19.35
----------------------------------	--------	---------



Miscellaneous Leslie Parts

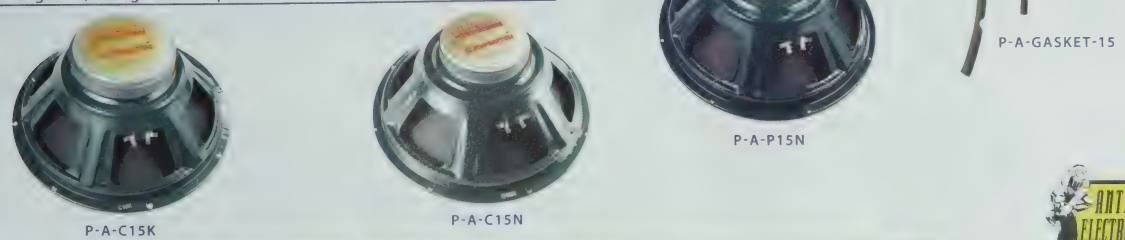
O Ring. Large pulley rim drive	P-OH-501	\$3.95
17" rotor cover for 122 and 147	P-OH-502	18.75
Upper belt tension spring	P-OH-503	12.50
Upper tension idler bearing	P-OH-504	8.75
Lower rotor bearing	P-OH-505	8.75
Plug. 6 pin. Male	P-OH-506	11.25
Socket. 6 pin. Female	P-OH-507	14.35
Plug cover kit for connectors	P-OH-508	9.95
Grommet kit of all rubber parts	P-OH-509	61.25
Back screw set. 13 Phillips screws with washers	P-OH-510	9.95



Jensen® Replacement Speakers for Leslie Cabinets

P15N and C15N are available in 4, 8 and 16 ohm.
C15K is available in 8 and 16 ohms. Please specify ohms when ordering.

P15N- AlNiCo magnet. 50 Watts	P-A-P15N	\$262.00
C15N- Ceramic magnet. 50 watts	P-A-C15N	118.60
C15K- Ceramic magnet. 100 watts	P-A-C15K	132.10
Extra gasket for proper spacing of speaker. Package of 4, enough for one speaker	P-A-GASKET-15	5.00



call 480.820.5411 or fax 800.706.6789/480.820.4643





S-CD55-6



S-CDN55-6N



S-CD5MS-15



S-CD100S-2



S-CDN5MS-15



S-CD100L-2DB



S-CDP55-6



S-CD100L-2C



S-CK-D1W-50



S-CG55-6



S-CGN55-6N



S-CG5MS-15



S-CGN5MS-15



S-CG100S-2



S-CG100L-2DB



S-CK-G1W-25



S-CRBR100L-2

Since 1956


CAIG
LABORATORIES, INC.

DeoxIT®

D5 Contact Cleaner and Rejuvenator

5% solution, 142 grams. Contact cleaner, conductivity enhancer and lubricant. Dissolves oxidation and corrosion; reseals surfaces on metal contacts. Improves connector performance/reliability.

	S-CD55-6*	\$13.35
Non-drip and Non-flammable	S-CDN55-6N*	19.65

D5 Mini-Spray

DeoxIT® Spray. 14g.

	S-CD5MS-15	7.05
Quick dry, Non-drip and Non-flammable	S-CDN5MS-15	7.85

D100 Spray

DeoxIT® D100S Spray, 100% solution, metered one-shot valve, 57 g

S-CD100S-2* 15.70

D5 Squeeze Tube

DeoxIT® Squeeze Tube. 100% Solution. 2mL.

S-CD100L-2C 4.70

Brush Applicator

DeoxIT® D100L Brush Applicator, 100% solution. 7.4 mL.

S-CD100L-2DB 14.15

Pump Spray

25% concentrate solution. Non-flammable. 150ml. May be shipped by air

S-CDP55-6 19.65

DeoxIT® Wipes

DeoxIT® Wipes, 100%, 50 individual wipes, zip-lock bag

S-CK-D1W-50 22.00

* Cannot ship by Air / Mail. Must ship UPS Ground

Caig Deoxit® Gold

Gold (formerly ProGold™) G5 Spray

Improves conductivity and provides long-lasting protection on gold and other precious metals. Ideal for Hifi applications.

	142 g.	S-CG55-6*	\$19.65
Quick dry, Non-drip and Non-flammable	163 g.	S-CGN55-6N*	23.60

GN5 Gold Mini-Spray

DeoxIT® Gold spray. Non-flammable. 5% solution, 14 g.

	S-CG5MS-15	7.85
Quick dry, Non-drip and Non-flammable	S-CGN5MS-15	9.40

G100 Spray

100% DeoxIT® Gold solution. No solvents. Metered one-shot valve, 57 g.

S-CG100S-2* 22.00

G100L Squeeze Tube

DeoxIT® Gold squeeze tube. 100% solution, 2mL.

S-CG100L-2C 5.45

Brush Applicator

DeoxIT® Gold G100L brush applicator. 100% solution, 7.4 mL.

S-CG100L-2DB 23.60

Deoxit® Gold Wipes

DeoxIT® Gold wipes. 100% solution, 25 individual wipes.

S-CK-G1W-25 15.70

* Cannot ship by Air / Mail. Must ship UPS Ground

CaiKleen™ RBR

Rubber Cleaner & Rejuvenator Liquid, Dropper Bottle, 59 mL. For rollers/ platens. Ideal for computers, fax machines, printers, copiers, & other office equipment. Outstanding for auto service centers. Low odor formula.

S-CRBR100L-2 \$19.65



CAIG

LABORATORIES, INC.

More Caig DeoxIT®

Fader Lube (formerly CaiLube MCL)

Precision lubricant for moving contact surfaces (faders, switches, pots etc.). 142 grams

S-CF55-H6*

\$13.35

Shield (formerly PreservIT™)

Seals, lubricates and preserves metal surfaces against oxidation and contamination. 142 grams

S-CS55-6*

14.15

FaderLube Liquid, Squeeze Tube

DeoxIT® Cleaner and lubricant for conductive plastic faders and controls. Improves conductivity, maintains optimum signal quality, reduces wear and improves tactile feel. 2mL squeeze tube.

S-CF100L-L2C

4.70

F100 FaderLube Spray

100% DeoxIT® FaderLube solution. No solvents. Metered one-shot, 57 g.

S-CF100S-L2*

14.95

FaderLube Mini-spray

DeoxIT® FaderLube mini-spray, 5% solution, 14 g. May be shipped by air (up to 36 units)

S-CF5MS-H15

7.05

FaderGrease

DeoxIT® FaderGrease, new formula - improved tactile feel, signal quality and displaces moisture and contaminants, 28 g.

S-CDFG-213-1

14.15

Precision Pen

100% solution, 6 mL

S-CD100P

15.70

Gold (formerly ProGold™) Pen Applicator

100% solution, 6 mL

S-CG100P

20.50

Liquid Needle Dispenser

DeoxIT® D100L Needle dispenser. 100% solution. 25 mL

S-CD100L-25C

23.60

Deoxit Shield Squeeze Tube

DeoxIT® Shield S100L Squeeze Tube, 100% solution, 2 mL.

S-CS100L-2C

4.70

Deoxit Shield Brush Applicator

DeoxIT® Shield S100L Brush Applicator, 100% solution, 7.4 mL.

S-CS100L-2DB

15.70

L260NP Grease

DeoxIT® L260NP Grease, no particles, 226 g.

S-CL260-N8

23.60

L260NP Grease Squeeze Tube

DeoxIT® L260NP Grease (Formerly CaiLube) squeeze tube, 2 g.

S-CL260-N2G

4.70

M260NP Grease

DeoxIT® M260NP Grease, no particles, 28 g.

S-CM260-N1

8.60

Axe Wipes

Metal string cleaner prolongs life, improves sound quality and dissolves oxidation and corrosion on guitar strings. Protects against acid from hands and lubricates for fast smooth movement. 30 wipes

S-CAX30W

11.75

* Cannot ship by Air / Mail. Must ship UPS Ground

CircuitWriter™

CircuitWriter™ Conductive Ink Pen, silver based solution, 7 mL. Make instant traces on epoxy, glass, plastic, metal; repair defective traces/circuit boards/ rear-window heater traces; make jumpers/prototype circuits; shield electronics.

S-CCW100P

\$14.95

Cleaning Brushes

Nylon brush for cleaning contacts and connectors. Ideal for phone and phono (RCA), XLR, coax connectors and patchbays. Package of 25.

S-CAB-25

\$10.20

Package of 100.

S-CAB-100

27.50



S-CF55-H6



S-CS55-6



S-CF100L-L2C



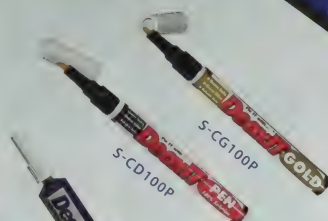
S-CS5MS-H15



S-CDFG-213-1



S-CF-100S-L2



S-CD100L-25C



S-CS100L-2C



S-CS100L-2DB



S-CL260-N8



S-CL260-N2G



S-CM260-N1



S-CCW100P



S-CAX30W

Chemicals

call 480.820.5411 or fax 800.706.6789/480.820.4643





S-CK-CK44-G



S-CK-DEO-ESK

S-CK-DG100L-2DB



S-CSK-AV35



S-CDFW-V710



S-CCS-2100



S-CDDW-V610



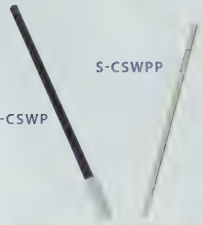
S-CNF100S-6



S-CM20S-9



S-CDCC-V510



S-CSWPP

S-CSWP



S-CLFC-C50

Caig Kits

Caikote 44 Kit Conductive Silver/Carbon

Conductive carbon coating for most surfaces (rubber, epoxy, glass, plastic). Ideal for repairing membrane buttons, keyboard buttons and other carbon based surfaces. Can also be used as a coating for shielding (EMI) of electronics.

S-CK-CK44-G **\$7.85**

DeoxIT® Emergency Survival Kit

Includes: DeoxIT® DN5MS-15 Spray, DeoxIT® D100P Pen, DeoxIT® D100L-2C Squeeze Tube, DeoxIT® D1W individual wipes - 3 each, Lint-free swabs, brushes, and cloth, zip-lock pouch.

S-CK-DEO-ESK **19.65**

DeoxIT®/ DeoxIT® Gold Electronic Maintenance Kit

Includes: DeoxIT® brush applicator (D100L-2DB), DeoxIT® GOLD brush applicator, Lint free swabs, brushes and cloths (G100L-2DB).

S-CK-DG100L-2DB **31.45**

Audio/Visual Survival Kit

Includes: DeoxIT® GOLD GN5MS-15, DeoxIT® FaderLube F5MS-H15, DeoxIT® D1W Individual wipes - 3 each, DeoxIT® Gold G1W Individual wipes - 3 each, DeoxIT® D100L-2C, DeoxIT® GOLD G100L-2C, DeoxIT® FaderLube F100L-H2C, Lint-free swabs, brushes and cloths, zip-lock pouch.

S-CSK-AV35 **27.50**

DeoxIT® Squeeze Tube Essentials Kit

Includes: DeoxIT® squeeze tube (#D100L-2C), DeoxIT® GOLD squeeze tube (#G100L-2C), DeoxIT® SHIELD squeeze tube (#S100L-2C), DeoxIT® FaderLube Liquid squeeze tube (#F100L-L2C).

S-CK-2C **11.75**

Other Caig Products

DustALL Pro

DustALL™ PRO precision air duster removes dirt, lint, and particles. Non-flammable. Quickly and safely removes dust, lint, and particles from sensitive electronic equipment, computers, lab equipment, optical grade surfaces, and other mechanisms and equipment, 10 oz, 283 g.

S-CCCS-2100* **\$5.50**

Contact Cleaner Wash

Val-U series spray. Adjustable valve. Fast evaporating and safe to use on plastics. 10 oz, 283 g. General purpose, use where flammability is not a concern.

S-CDCC-V510* **6.25**

Degreaser Wash

Val-U series spray, adjustable valve, fast evaporating - safe on plastics, 10 oz, 283 g. General purpose, use where flammability is not a concern.

S-CDDW-V610* **6.25**

Flux Wash

Val-U series spray, adjustable valve, fast evaporating - safe on plastics, 10 oz, 283 g. General purpose, use where flammability is not a concern.

S-CDFW-V710* **6.25**

MechanicALL™ Spray

Anti-corrosive lubricant for mechanical applications. 20%, adjustable valve, 9 oz, 255 g.

S-CM20S-9* **6.25**

Caikleen™

Caikleen™ NF spray, non-flammable, non-drip and safe on plastics, 5%, 163 g.

S-CNF100S-6* **19.65**

Precision Swabs

General purpose contact cleaner
Precision Swabs, foam, 1/4 x 3/4 x 4 1/2, package of 100.

S-CSWP-100 **39.35**

Pointer Swabs

Pointer Swabs, Cotton, with mini tapered tip and wood handle; 3 inch, .5 mm to 2.3 mm Head, package of 25.

S-CSWPP-25 **6.25**

Lint-Free Cloth

Cotton, 2.25" x 4.5", package of 50.

S-CLFC-C50 **7.85**

*Cannot ship by Air / Mail. Must ship UPS ground



Big Bath

All purpose degreaser and cleaner for electrical contacts, switches, pc boards and components. Evaporates instantly and leaves no residue.

16 oz **S-C19-906*** **\$24.95**

De-Ox-Id

Solventless light oil based contact treatment compound counteracts oxidation.

4 oz **S-C19-1906*** **\$5.50**

Silicone Heat Sink Compound

Type Z9 1 fluid oz **S-C10-8109** **\$5.95**

Phonolube

Light bodied grease made of polymerized oil specially developed for the lubrication of small geared mechanisms. Retains its viscosity over a wide range of temperatures.

2 oz tube **S-C10-1223** **\$5.95**

Service Cement

A quick drying waterproof clear adhesive which forms a strong vibration resistant bond. Ideal for speaker repairs and bonding semi-porous materials to each other or to metals, plastics, etc.

2 oz bottle **S-C10-302** **\$6.95**

Rubber Renue

Removes "dead" rubber from old rubber surfaces to clean and revitalize idler wheels, belts and pinch rollers.

1oz bottle **S-C220-1** **\$7.95**

Belt and Drive Non-Slip

Prevents slippage and restores proper function on belts and drive wheels in turntables and tape recorders, especially where the rubber has hardened or become slick.

2 fluid oz **S-C10-8602** **\$5.95**

White Lithium Grease

White lithium based grease lubricant. Good for use on wiping contacts and sliding parts. Will not oxidize or harden.

1 1/4 oz tube **S-C10-2302** **\$5.95**

Q Dope

Fast drying coating for coils and transformers. Clear, protective coating has minimal effect on inductive values.

2 oz **S-C10-3702** **\$9.85**

Corona Dope

Fast drying black lacquer coating. High quality dielectric, arc and corona resisting properties.

2 oz **S-C10-4702** **\$8.50**

Liquid Tape Insulating Coating

Heavy black coating used as insulating tape in applications where tape cannot be used.

2 oz **S-C10-1762** **\$7.95**

Radio-TV Service Solvent

Quick acting solvent for use in speaker repair. Can be used as lacquer thinner.

2 oz **S-C10-312** **\$5.95**

Do-It-Yourself Electroplating

Replate nickel, silver or brass radio and phonograph parts. Uses current from any 3 to 6 volt DC supply or batteries. Plating brush connects to positive voltage and part being plated connects to negative. Brush sold separately. 2 oz jar.

Brass	S-F222	\$7.95	Copper	S-F296	\$8.95
Nickel	S-F223	12.95	Silver	S-F224	26.95

Plating Brush (instructions included) **S-F225** **6.50**

* Cannot be shipped by air or to Canada or other countries.



S-C19-906



S-C19-1906



S-C10-8109



S-C10-1223



S-C10-302



S-C220-1



S-C10-2302



S-C10-8602



S-C10-3702



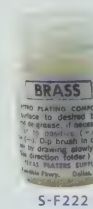
S-C10-4702



S-C10-1762



S-C10-312



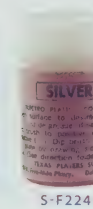
S-F222



S-F223



S-F296



S-F224



S-F225



novus PLASTIC POLISH®



S-C226

S-C227

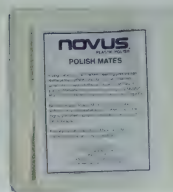
S-C225



S-C216

S-C217

S-C215



S-CMATE



S-C250



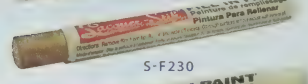
S-C243



S-F437



S-F438



S-F230



S-F229



S-C228



S-C244

Plastic Polish

Novus #1

Cleans and glazes plastic surface to resist finger markings, dust buildup and is anti-static.		
2 ounces	S-C216	\$2.15
8 ounces	S-C226	4.15

Novus #2

Removes fine scratches, abrasions and haziness from plastic surfaces. Great for plastic radio dial windows. For best results, follow with Novus #1 polish.		
2 ounces	S-C217	2.65
8 ounces	S-C227	5.15

Novus #3

Removes scratches from acrylic surfaces. More abrasive than #2. Effective for deeper scratches. Treatment must be followed by #2 to buff and polish the surface. For best results, follow with Novus #1 polish.		
2 ounces	S-C215	3.40
8 ounces	S-C225	6.15

Buy each type of the same size bottles and save!

2 oz bottles	S-CPOLISH-2OZ	6.65
8 oz bottles	S-CPOLISH-SD	13.95

Novus Plastic Mates

Novus Plastic Polish Mates offer cloth-like softness in a disposable wiper. These wipes are highly absorbent, abrasion-resistant, low-lint and extra durable.

Package of 6 Mates	S-CMATE	\$2.10
--------------------	----------------	---------------

Magnolia Glayzit

For restoration of Bakelite. A siliconized polish that restores Bakelite with its blend of premium wax and oil.

	S-C250	\$12.95
--	---------------	----------------

Cannot be shipped by air or shipped outside of the U.S.A.

Tibet Almond Stick

Wipes out scratches in wood radio cabinets quick-as-a-wink. Simply rub end of stick over scratches in any type of wood and watch them disappear like magic!

	S-C243	\$3.95
--	---------------	---------------

Lacquer Stick Wipe-On Paintstick

Quick economical way to color engraved lines or stampings on metal, glass, plastics, etc. Works great for filling in markings on TRF radio dial knobs and faceplates.

White	S-F229	\$2.50
Gold	S-F230	3.95
Red	S-F437	2.50
Black	S-F438	2.50

"Micro-Mesh" Plastic Restoration System

The most efficient system available for removing scratches and haziness from plastic radio cabinets and clear dial windows. Each kit contains: 5 pieces of 3" x 6" Micro-Mesh cushioned abrasive cloth ranging from coarse to ultra-fine; foam sanding block; 3 oz bottle of Micro-Gloss liquid abrasive; and a soft buffing cloth.

Net weight 8 oz	S-C228	\$22.95
-----------------	---------------	----------------

Plas-T-Pair

A complete repair kit for plastic knobs, radio cabinets and other plastic parts. It can be poured into a crack or molded to fill gouges, holes, or make parts. After setting it can be sanded, drilled or polished.

	S-C244	\$9.95
--	---------------	---------------



Mohawk Ultra-Classic Toner

Ultra-Classic Toners utilize a non-fading, non-bleeding dye to provide excellent clarity. Wood shades can be varied without importing the "muddy" effect sometimes associated with pigment type toners. Get dye-based transparency with the highest rating of light-fastness available for dyes. Excellent flow out, mar and alcohol resistant, no overspray. Net weight 13 oz.

Perfect Brown: A nice warm shade that is a great match for 1930s and 1940s sets	S-F306*	\$6.95
Walnut Brown: Use as a replacement for burnt umber. Great for late 1920s to early 1930s sets	S-F309*	6.95

Mohawk Ultra-Flo Clears

Formulated with special resins and solvents to provide a finish film free of orange peel. Little or no over-spray when used over spot repairs or over an existing lacquer finish. Saves time, as the finish film will not require sanding or rubbing.

Gloss	13 oz Aerosol can	S-F301*	\$6.95
Satin	13 oz Aerosol can	S-F302*	6.95

Mohawk Tone Finish Toner

Also known as shading of toning lacquer. This is an opaque, pigmented lacquer finish that will build a darker and darker color with subsequent coats. Best for duplicating the shading effect on the edges of cabinets. Should be top coated with clear lacquer after the desired color is achieved.

Van Dyke Brown	13 oz Aerosol can	S-F305*	\$6.95
----------------	-------------------	----------------	---------------

Mohawk Lacquer Sanding Sealer

Helps fill grain pores on open grain woods and prevent blotchy absorption of penetrating stains on birch or maple cabinets or trim pieces. Seals end grain.

13 oz Aerosol can	S-F304*	\$6.95
-------------------	----------------	---------------

Mohawk No Blush

Humidity or cold weather can cause a finish to turn white (blush). No Blush™ Plus retarder re-flows the finish and allows the trapped moisture to escape.

13 oz Aerosol can	S-F310*	\$6.95
-------------------	----------------	---------------

Clear Spray Shellac

Provides a clear coating for many different surfaces. Shellac has an unusual adhesion to hard-to-grip surfaces. Hold out is exceptional on wood, plywood and plaster. Recommended for spot sealing knot holes, sap streaks & refilled areas before refinishing.

12 oz Aerosol can	S-F308*	\$10.50
-------------------	----------------	----------------

Wrinkle Finish

Great for refinishing vintage metal radio cabinets, faceplates and speakers.

Jet Black	12 oz Aerosol can	S-F227*	\$9.95
-----------	-------------------	----------------	---------------

Hints for Wrinkle Finish paint: Surface must be clean and dry. Clean means no oil, grease or fingerprints. Be sure that temperature of the paint can and the surface to be painted is between 70 and 90 degrees. Spray with even strokes at a distance of 8" to 12". Apply a fairly heavy coat. Spray a 2nd coat approximately 3 minutes after the 1st, also fairly heavy. The wrinkling will appear gradually, requiring about 12 hours at room temp to completely develop.

Tip: Experience seems to indicate that a better finish develops when sprayed onto bare metal.

Paint to make brown wrinkle finish:

Dark Brown	S-F226P*	\$7.95
------------	-----------------	---------------

* Cannot be shipped by air or to Canada



For 20 tips on using Mohawk Lacquer products, please see the Tech Corner on our website.



S-F227



S-F226P

call 480.820.5411 or fax 800.706.6789/480.820.4643

Weller

Tools

S-TPTA7

S-TWTCPT

S-TPTA8

S-TPTP7

S-TWES51

S-TETR

S-TETCC

S-TETP

S-TWLC100

S-TWP35

S-TST1

S-TST3

S-TST7

S-TSP40L

S-TPH60

Weller Controlled Output Professional Soldering Station

Input voltage: 120; Output voltage: 24 VAC@1.75A = 42W Iron; Power Consumption: 60W; Output Power: 42W. Unique closed loop method of controlling maximum tip temperature, protects temperature sensitive components. A ferromagnetic temperature sensor in the tip controls tip temperature, no adjustments are necessary. Lighted switch. Tips available in 700°F and 800°F ranges. Tips determine temperature.

Includes 1/8" screwdriver 700°F tip (S-TPTA7) **S-TWTCPT** **\$151.95**

Replacement Tips

1/8" Screwdriver tip, 700°F	S-TPTA7	\$3.95
1/8" Screwdriver tip, 800°F	S-TPTA8	3.95
Conical tip, 700°F	S-TPTP7	3.95

Weller WE551 Soldering Station and Tips

50 watts of controlled power with wireless temperature calibration. Unit is ESD safe and comes complete with stand.

Weller Analog Soldering Station, 50 watts	S-TWES51	\$120.95
1/8" screwdriver tip, 700°F	S-TETCC	3.95
Conical tip, 700°F	S-TETP	3.95
1/8" screwdriver tip, 800°F	S-TETR	3.95

Weller Variable Power Soldering Station

Input Voltage: 120; Output Voltage: 120; Output Power: 5-40 watts; Temperature Range: 900° F max. On/Off switch with "power-on" indicator light. Variable control produces 5 to 40 watts. Natural sponge tip cleaning pad. Ideal for hobbyist, DIY'ers and students.

Includes 1/8" screwdriver tip (S-TST3) **S-TWLC100** **\$53.95**

Weller Soldering Iron

Input Voltage: 120; Output Power: 35 watts; Tip Temperature: 850°F; Heating Element Type: Nichrome wound, fiberglass and ceramic insulated. Lightweight handle with cushion grip for ease of use and comfort. Stand (S-TPH60) sold separately (see below). Three wire grounded power cord for your safety.

Includes 1/8" screwdriver tip (S-TST3) **S-TWP35** **\$46.95**

Replacement Tips for S-TWLC100 and S-TWP35

1/8" Screwdriver tip	S-TST1	\$3.95
1/8" Screwdriver tip	S-TST3	3.95
Conical tip	S-TST7	3.95

Weller Marksman Soldering Iron

Input Voltage: 120; Output Power: 40 watts; Tip Temperature: 900°F; Heating Element Type: Nichrome Wound, fiberglass and ceramic insulated. On/Off indicator light. Includes 1/4" chisel tip.

Comes with support stand **S-TSP40L** **\$17.50**

Weller Soldering Iron Stand

For S-TWP35 **S-TPH60** **\$23.45**

Kester 44 Solder

60/40 rosin core solder. Melting temperature of 370° F

Standard .050" diameter.	1 lb spool	S-T9000	\$19.95
Fine line .031" diameter	1 lb spool	S-T9001	19.95

Kester Lead-Free Solder

Kester 48, 96.5% tin, 3% silver, 0.5% copper

Standard .050" diameter.	1 lb spool	S-T9000-LF	\$38.95
--------------------------	------------	-------------------	----------------



S-T9000



S-T9001

Weller Manual Desoldering Pump

One hand operation with spring loaded piston provides ESD safe solder removing vacuum. Self-cleaning, non-clogging, static-free replaceable tip.

Pump	S-T7874B	\$20.95
Replacement tips	S-T7875B	4.95



S-T7874B

Weller Bulb Solder Off

Helps remove solder. Old style solder sucker.

S-T7805	\$9.50
----------------	---------------

Desoldering Braid

Made of finely-woven copper braid impregnated with pure rosin flux, for high efficiency and maximum solder holding capacity. 5 foot dispenser spool.

.08" wide	S-T22-405	\$2.75
.125" wide	S-T503	2.95



S-T22-405



S-T7805

Solder Aid Tool

Stainless steel, solder will not stick. 6½" long with plastic handle. Forked tip on one end, straight reamer on the other.

S-T9075	\$5.95
----------------	---------------



S-T9075

Heat Sink

Absorb heat during soldering/desoldering sensitive parts. 2½" long, high carbon steel, hardened and with PVC coated handle

S-T156	\$1.50
---------------	---------------



S-T156

Weller Benchtop Smoke Absorber

Removes flux fumes from soldering workbench. Great for work spaces using more active fluxes with lead-free solder. Fumes are absorbed by the replaceable carbon-activated filter. Includes one replacement filter. Stand allows the smoke absorber to be adjusted to varying angles. Fan is quiet and will not add significant noise to the workspace.

10" L x 6½" W x 11" H	S-TWSA350	\$50.95
Replacement filters. Package of 3	S-TWSA350F	5.95



S-TWSA350F



S-TWSA350

Weller/Ungar Heat Gun, 1000 Watts

Dual temperature, heat gun is ideal for applying heat shrink products; curing epoxy; softening adhesives; softening/molding plastics; heating liquids; stripping paint; and drying/thawing frozen pipes. Features dual temperature, 1200°F (1000w) & 790°F (400w); 3 way switch: Hi-Off-Low; 3 wire grounded plug, 6' power cord.

S-T1095	\$54.95
----------------	----------------



S-T1095

Accessories

Reducer - use for concentrating heat	S-T1080	6.95
Reflector - use for heat shrink tubing/caps	S-T1082	6.95



S-T1082



S-T1080

Weller®

Xcelite®

Tools



S-TMS543J

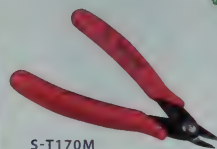
Xcelite 4" Relieved Tapered Head Cutters

Diagonal cutting pliers with relieved tapered head flush cutter that allows use between closely spaced components. Green cushion grips.

Hand springs.

S-TMS543J

\$16.50



S-T170M

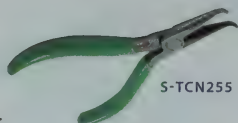
Xcelite 5" General Purpose Shearcutters

Low profile, general purpose cutter that flush-cuts soft wire up to 20 AWG (0.8 mm). Features superior blade bypass shear cutting action and shock absorbing grips.

Hand springs.

S-T170M

\$5.65



S-TCN255

Xcelite 5" 60° Curved Needle Nose Pliers

Thin tip and smooth jaws with green cushion grips.

S-TCN255

\$19.95



S-T378M

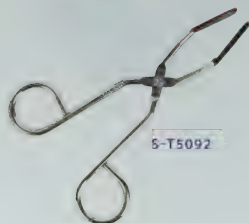
Xcelite 5.5" Serrated Jaw Pliers

Thin profile long reach pliers for access into tight spaces, lightweight for maximum comfort.

Hand springs.

S-T378M

\$9.95



S-TNN776

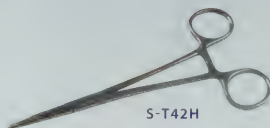
Xcelite 6" Long Needle Nose Pliers

Extra long nose with serrated jaws and green cushion grips.

Hand springs.

S-TNN776

\$17.95



S-T5092

Tube Extractor

New and improved.

S-T5092

\$11.95

Xcelite Seizer Forceps

Clamps firmly to hold wires for soldering. Acts as a heat sink and retrieves small parts from hard to reach places. Precision machine tempered stainless steel. Serrated jaws.

S-T42H

\$7.25

Xcelite Precision Electronic Screwdrivers

Set contains one each of: 1.5 mm x 60 mm slotted tip screwdriver, 2.0 mm x 60 mm slotted tip screwdriver, 2.5 mm x 60 mm slotted tip screwdriver, 3.0 mm x 60 mm slotted tip screwdriver, #0 point Phillips tip screwdriver and #00 point Phillips tip screwdriver. Chrome-molybdenum steel blades with black oxide tips.

S-TXP600

\$23.95



S-TXP600

Allen Wrench Set

2.5 mm, 3mm, 4mm. Set of three.

P-GWRENCH-3

\$2.50



P-GWRENCH-3

Contact Burnishing Tool

Stainless steel strip, microscored to an ultra-fine file surface. Remove oxide and corrosion on contacts made of platinum, palladium, molybdenum, gold, tungsten and silver.

S-T9338

\$2.25



S-T9338

Nicholson Hobby Assorted File Set

Selection of 6 miniature files with fine cut for intricate work. Includes vinyl case. Ideal for handicrafts and hobbies.

S-T42030

\$29.95



S-T42030

Greenlee Chassis Punches

Round hole punches for use in mild steel (up to 10 gauge), aluminum, fiberglass and plastic. Make professional chassis punches on your projects. Absolutely **no returns** unless punch is defective!

1/2"	S-T703012	\$45.95
5/8"	S-T703058	44.95
1 1/16"	S-T7031116	44.95
3/4"	S-T703034	43.95
1 3/16"	S-T7031516	44.95
1"	S-T703100	49.95
1 1/8"	S-T703118	50.95
1 1/4"	S-T703114	73.95

Greenlee Replacement Draw Studs

For 1/2" & 5/8" punches Stud is 1/4" x 1 3/8"	S-T703BOLT-SM	\$7.95
For 1 1/16", 3/4", 1 3/16", 1", 1 1/8" & 1 1/4" punches. Stud is 3/8" x 1 3/8" & includes bearing	S-T703BOLT-LG	19.95

Deluxe Nibbling Tool

Cuts steel up to 18 gauge, as well as copper, brass, aluminum and non-brittle plastics up to 1/8". Cuts any size/shape hole from the edge or from 3/8" inside hole. Spring operated.

S-T806 \$5.95

Test Lead Kit Mil Spec

Contains: Two alligator clips, two spade lugs, two pin jacks (long), two pin jacks (short), two probe tips, two tip insulators and two universal test jacks. All have threaded male ends. Kit also contains two 5" leads with threaded female ends. All components are rolled up in a convenient pouch. Comes sealed in foil military packaging. The ultimate set of test leads!

S-Z5R542 \$8.95

Jumper Wire Set

Heavy duty test leads 22" long with insulated alligator clips. Contains one each of black, red, white, green and yellow jumpers.

Set of five S-ZJ4-655 \$5.95

Double End Hex Tool

Molded from Delrin, 5 3/32" long.
One end is 7/32" hex and the other is 3/8" hex.

S-T9091 \$1.95

Duplex Aligner

Butyrate shaft 6 1/8" long with 1/8" wide steel tips. Tip on one end recessed.

S-T8276 \$1.95

Alignment Tool Kit

Contains five different tools for all standard adjustments. Includes "Extend-It" for long reaches. Tools are Delrin packaged in pocket-saver pouch. Included tools: 8282 Zenith type; 8606 Hex wrench; 9091 Hex core tool and a 9304 double end tool.

S-T8454 \$7.95

Nylon Alignment Tool Kit

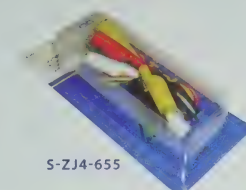
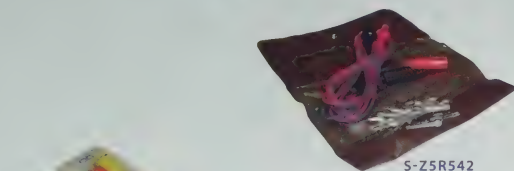
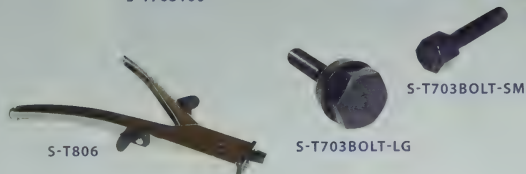
Assorted hex and flat tools for alignment work.

S-T9304 \$0.95

Alignment Tool Kit, CB

Contains 5009 Duplex no-metal screwdriver, 5097 K-tran tool, 8271 core aligner, 8282 Zenith alignment tool, 9091 hex iron core tool, 9440 transistor tool, 8276 Duplex aligner and 9304 double end tool.

S-T18-530 \$9.95



Tools

RF Signal Generator

Compact solid state RF signal generator designed for the hobbyist, service bench and technical instruction. The generator is most suited for checking and aligning the IF circuit and tuners in AM, FM, and TVs. 100KHz to 150MHz in 6 bands and up to 450MHz on third harmonics. Features - Wide frequency range: 100KHz to 150MHz; 1 KHz oscillator purpose of modulation; high stability; Output control: 0dB/-20dB/-40dB and fine adjuster; Frequency accuracy - $\pm 5\%$; RF output: 100mV RMS appx (up to 35MHz unloaded); Output control: High-low switch, fine adjust; Audio output 1KHz min., 2V RMS; Modulation: Internal - 1KHz (AM) 30% appx; External - 50Hz ~ 20KHz at $< 1V$ rms input



9.8" W x 5.9" H x 5.1" D, 8 lbs

S-MRFGFN

\$139.95

Audio Generator

The oscillation frequency range of this audio generator is between voice frequency band and super voice frequency band. Its main function is to measure the characteristics of an audio circuit. Square and sine wave. 10K ohm input impedance, 10V RMS maximum input voltage. 600 ohm output impedance. Equipped with synchronized input terminals, enabling the high power output signals to be accurately controlled by small signals. Comes with test lead and ground lead. Features - High frequency stability within $\pm 2\text{Hz}$; Frequency range: 10Hz ~ 1MHz, 5 decade bands; Accuracy: 10Hz ~ 1MHz $\pm 5\%$ $\pm 2\text{Hz}$; Output control: 0dB/-20dB/-40dB and fine adjuster; 100Hz ~ 100KHz $\pm 3\%$ $\pm 3\text{Hz}$; Output Voltage Floating within $\pm 1.5\text{dB}$. Sine Wave Output Range: 10Hz ~ 1MHz; Output voltage: 8V RMS max; Output distortion: $< 0.05\%$ - 500Hz ~ 50KHz $< 0.5\%$ - 50Hz 500KHz; Square Wave Output: 10Hz ~ 100KHz; 15V peak to peak.



9.8" W x 5.9" H x 5.1" D, 8 lbs

S-MAFGN

\$139.95

Signal Tracer/Injector

Handy, easy-to-operate versatile instrument with dual power source (9V battery or AC adapter). Two red LEDs on front panel indicate the mode of operation. Ideal for servicing on TV, AM and audio circuitry, plus checking of speakers, microphones and pick-ups. 100 μA meter, two $\frac{1}{4}$ " speakers. Tracer Portion features - Gain: Max. 60dB at 1KHz; Attenuation: 0-20-40-60 dB; Input impedance: 100K ohms; RF output: 100mV RMS appx (up to 35MHz unloaded); Output impedance: Output - 600 ohms (unbalanced); External speaker: 8 ohms. Injector Portion features - Frequency: appx 1KHz square wave form; Output level - 4.5V peak to peak max., 0-4.5 continuously variable.



7.8" W x 5.5" H x 3.9" D, 3 lbs

S-MSIGTR

\$129.95

General Purpose VOM with Multifunction

Intermagnetic version to prevent interference from magnetic fields. Double protection of diode and fuse, transistor hFE test function. DCV: 0.25V, 0.5V, 2.5V, 10V, 50V, 250V, 1000V. ACV: 10V, 50V, 250V, 500V, 1000V. ACA: 50 μA , 2.5mA, 25mA, 250mA, 10A. Ohms: $\times 1$, $\times 10$, $\times 1k$, $\times 10k$.



5.75" W x 3.75" H x 1.375" D, .93 lbs

S-Z370

\$15.95

Digital Multimeter

Ergonomically Designed. Uses one 9V battery. Features: 0.5% basic DC accuracy; $3\frac{1}{2}$ " digit LCD, $\frac{1}{2}\%$ high; capacitance to 20 μF ; frequency to 10 MHz; 10 A (AC or DC); hFE and diode test; audible continuity test; 10M ohm input resistance; overload protection; polarity indicator; over range indicator; low battery indicator; tilt stand and case.



3" W x 1.5" H x $7\frac{1}{2}$ " D, (w/o case), 1.6 lbs

S-Z3220

\$36.95

Digital Capacitance Meter

Nine ranges give precision readings from 1pF to 20,000 μF . Can be used to check virtually all capacitors for tolerance value, selecting matched sets, etc. Features: 0.1 pF to 20,000 μF , 9 ranges; 0.5% basic accuracy; $3\frac{1}{2}$ " digit LCD, 1" H x $2\frac{1}{4}$ " W; zero adjustment; input protected; low battery indicator; over range indicator; tilt stand. Includes, case, leads, spare fuse and instructions.



2.8" W x 1.5" H x 6" D, 1.1 lbs

S-Z150

\$39.95

Alessandro Bias and Matching Meter

Lets you regain control over your amp's sonic output. It's remarkable, quick and easy to use, and it works with 6L6, 6V6, 5881, EL34, 7581, 7591, 7027, KT66, KT77 and KT88 tubes; or any octal tube with the plate on pin 3. Install the power tubes into the amp "through" the bias sockets, turn the amp "on", then check and adjust the bias. It's fast, accurate and easy!



7.5" W x 4.625" H x 2.875" D, 1.29 lbs

S-TBIASMETER

\$139.95

Bias King™ and Bias King Pro™

A digital readout for real world analog measurements. As tubes age, their bias point will shift. By using the Bias King™, you can maintain the sound you want by periodically adjusting the bias on your amp. This will keep your tubes in top shape throughout their life and will keep your amp sounding its best. Use the chart provided to find out what range of current flow is acceptable for the tube type in your amp. It works on most octal socket tube amps, and requires no power source other than the amp it is plugged in to. It can be used to "match" tubes into pairs.



Two models are available:

Bias King™ - Features one tube socket enabling you to check the bias of your tubes one tube at a time.

4" W x 2.125" H x 2.25" D, .7 lbs

S-TBKING

\$119.95

Bias King Pro™ - Two sockets allow you to switch between two tube readouts without having to unplug tubes.

4" W x 2.125" H x 2.375" D, .89 lbs

S-TBKINGPRO

\$189.95



Ultimate Bench Warrior

By Lee Jackson

In this DVD, Lee Jackson shows you how to service your own tube amp and keep it running correctly. It includes topics such as changing critical capacitors, setting tube bias, and what to look for on an oscilloscope. Tips for keeping several major amplifiers running for years are also covered.

DVD

B-CD056

\$64.95



Understanding Vacuum Tube Guitar Amplifiers

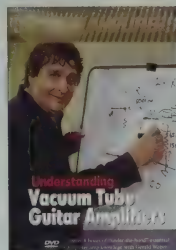
By Gerald Weber

Nearly four hours of essential vacuum tube circuit concepts. You will learn about resistance, capacitance, reactance, gain, preamps, output stages, tube types, power supplies, tone circuits, biasing, and all the basic concepts needed to really understand what is going on in your amp. This DVD was filmed live, during an actual "Tube Guitar Amplifier" training seminar, so you will hear real questions asked by real people and you will learn the real answers.

DVD

B-CD057

\$59.95



SE Amp CAD

SE Amp CAD is a Windows program that helps you design, understand and modify single-ended amplifier output stages—a virtual workbench for single-ended output stage design. True Curves™ is the name of the new mathematical model used in SE Amp CAD. True Curves™ knows how a 300B or an 845 really bends: how the plate current varies with changes in grid to cathode voltage versus changes in plate voltages. With the True Curves™ tube model in SE Amp CAD you can quickly and easily model, evaluate, and understand a tube single-ended output stage. SE Amp CAD holds 30 tube models (triode and triode-connected pentodes) and over 100 output transformer profiles. The output data results, the output circuit schematic, the tube's plate curves (grid voltage, plate voltage, plate current, r_p , μ , G_m), the input signal and the resulting output signal—all are displayed interactively by SE Amp CAD.

CD ROM

B-CD031

\$39.95



Tube CAD

The tube voltage amplifier design program for Windows 3.1/95/98/2000/NT/XP. This program covers 13 core tube circuit topologies, each divided into four variations. Thus, Tube CAD covers 52 tube circuits in all. All the popular circuits are here—SRPP, cascode, cathode follower, push-pull, split load phase splitter... Circuit variables (such as tube type, $B+$ voltage, plate and cathode resistor values) are entered in field boxes and the AC and DC results are then displayed. Tube CAD includes data for 32 triode tube types. Plus define characteristics for any triode not included in the library. Display and print the curves of tube types included with the program. Includes user manual.

CD ROM

B-CD028

\$39.95



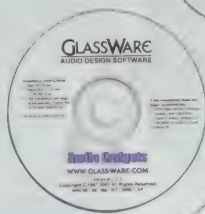
TubeCAD & SE Amp CAD Package

Package includes B-CD031 and B-CD028 (see details above).

CD ROM

B-CD032

\$77.00



Audio Gadgets

Audio Gadgets is a program for Windows 3.1/95/98/2000/NT/XP that helps you design a step attenuator up to high voltage power supply. Audio Gadgets is really ten programs in one: stepped attenuator design, op-amp circuit design, power supply design, filter design, adj. regulator design, resistor calculator, speaker design, RIAA equalization, tube circuit design and more. Includes 40+ page user manual.

CD ROM

B-CD027

\$39.95



GlassWare Tube Manual

A true 32-bit Windows program (95/98/2000/NT/XP), it's all here: plate curves, μ , r_p , G_m , V_h , I_h , base and outline schematics, and essential characteristics. Powerful search and filtering tools give control over this tube manual's large library of tubes. Look up your favorite tubes (6SN7, KT88, 2A3, and 6922) and discover other great tubes you didn't know existed. With the aid of easy-to-use editing tools, tubes can be added or subtracted to the database. Keep track of your own tube collection with GlassWare Tube Manual's personal tube database. Tube substitutions are given for over 2000 tube types.

CD-ROM

B-CD055

\$39.95

Please Note:

Opened software cannot be returned.

Defective software is returnable for exchange only.

call 480.820.5411 or fax 800.706.6789/480.820.4643

DVDs & Software





Audio

An Approach to Audio Frequency Amplifier Design

First published in 1957 by the Valves and Electronics Department of General Electric Company of England, this book covers the essential details and circuit diagrams of a wide range of audio frequency amplifiers from a 5 watt ultra-linear to an 1100 watt Class AB2 amplifier. All designs are based on vacuum tubes. Full parts list accompanies each schematic.

126 pages, 0.6 lb, 6" x 9"

B-679

\$18.95



The Art of Linear Electronics

By John Linsley Hood

For those wanting to learn about amplifier design, this is the book to start with. Starting with explanations of the components are that make up an amplifier (capacitors, resistors, inductors, tubes and transistors), this book continues on to show how they come together in useful circuits. Filters, amplifiers, oscillators, feedback and power supplies are all covered as well as how amplifiers have evolved over time. Along with this the author includes two of his own amplifier designs which are widely respected by people involved with DIY audio. The Art of Linear Electronics is a great place to begin one's education in amplifier design.

339 pages, 1.5 lbs, 7.75" x 9.625"

B-929

\$37.95



Audio Measurements

By Norman H. Crowhurst

This book begins with measurement techniques and follows with a full discussion of all manner of test equipment. Although it deals with the equipment of the day, most based on vacuum tubes, much of that equipment is still available. Fully indexed, the book is a comprehensive and informative volume on determining the quality and performance level of almost any piece of audio equipment.

223 pages, 1 lb, 5.25" x 8.25"

B-814

\$12.35



Beginner's Guide to Tube Audio Design

By Bruce Rozenblit

Are you interested in tube audio but don't know where to start, or are you already using tubes but don't know what's going on in the circuit? Rozenblit describes with simple clear explanations what a tube is, how it works, how to read characteristic curves and understand specifications. He then discusses one stage amplifiers, gain circuits, negative feedback, power supplies as well as a tour of amplifier parts of all types.

132 pages, 1 lb, 8.5" x 11"

B-761

\$23.95



The LP is Back!

By Phil Van Praag

From the pages of Audio Amateur magazine and other sources, absolutely everything the serious LP music collector needs to get the most out of both vintage records and the highest quality new pressings. Articles cover: Cleaning discs; how to build a cleaning machine; calibrating and maintaining your tonearm and cartridge; equipment which will improve the quality of long play record listening. Collected from the high point of this old-new again technology, *The LP is Back!* brings a wealth of information to help you keep your equipment in top form and help you understand and appreciate the best in new products available from cartridges to turntables.

160 pages, 1 lb, 8" x 10.5"

B-823

\$7.95



Mullard Circuits for Audio Amplifiers

A reprint of a 1959 publication of Mullard Ltd., detailing high-quality circuits for audio amplifiers, pre-amplifiers and other stereophonic reproduction equipment. These designs were originated by Mullard engineers at the Mullard Applications Research Laboratory, and originally appeared in various magazine articles with notes on construction and assembly.

136 pages, 1 lb, 8" x 10"

B-655

\$16.45



Power Amp Projects: 26 Articles on Power Amplifier Projects

Appearing in Audio Amateur Magazine from 1970-1989

Re-printed articles on amplifiers for the home (both tube and solid state), amplifiers for a car and even an electrostatic speaker system. Original designs as well as upgrades to older equipment. Article authors include Roger Sanders, Nelson Pass, Reg Williams, Erno Borbely and more. Altogether this book offers designs from authors from six countries to fit almost any need for the resourceful amateur who prefers the pleasure of building his or her own amplifier.

201 pages, 1.1 lbs, 8.5" x 11"

B-754

\$17.95

Principles of Power - A Practical Guide to Tube Power Amplifier Design

By Kevin O'Connor

Offers a simplified method for designing tube power amps for audio. Tube operation is explained, as are circuit principles. Class-A or B, cathode, fixed bias, and push-pull and single-ended designs are covered, as are many front-end circuits. Includes designs using off-the-shelf transformers and current production tubes. Power outputs of 15 to 400W are depicted using pentodes and true triodes. Also, covers power supplies, selected tube data, and information on Hammond and Plitron transformers. Guitar amp builders please refer to "The Ultimate Tone Vol.2"

221 pages, 1.7 lbs, 9" x 11", 210 schematics

B-726

\$44.00

PRINCIPLES OF POWER

A PRACTICAL GUIDE TO TUBE POWER AMPLIFIER DESIGN

By Kevin O'Connor

Valves for Audio Frequency Amplifiers

By E. Rodenhuis

With Details for Building Eight Circuits

Reprinted from the Philips Technical Library, by Audio Amateur Press. Philips, one of the world's oldest tube manufacturers, offered this manual for enthusiasts in 1954. It's a practical volume for building quality audio amplifiers. Topics include: using the operating data provided, feedback, tone control, the output transformer, amplifier input circuits, microphone, gramophone pickups, & loudspeakers. There are pointers to keep control of hum, noise, interference and heat to avoid noisy and destructive operation.

144 pages, 0.5 lb, 5.75" x 8"

B-779

\$16.15

E. RODENHUIS

With Full Details for Building Eight Circuits

Reprinted with permission by AUDIO AMATEUR PRESS

Crystal Sets

Crystal Radio Bonanza

Volumes 9, 10 & 11 of the Xtal Set Society Newsletter, 18 issues from January 1999-November 2001. Over 20 complete projects with detailed instructions along with Q&A. Also contains reprints from old magazines.

226 pages, 1.9 lbs, 8.5" x 11"

B-905

\$18.95

CRYSTAL RADIO BONANZA



Crystal Receiving Sets and How to Make Them

Edited by Bernard E. Jones

Deals with the making of a number of crystal sets representative of those in present-day use. Compiled from the pages of "Amateur Wireless," the well known weekly journal for wireless amateurs.

133 pages, 1 lb, 5.5" x 8.5"

B-860

\$9.95

The Crystal Set Handbook

By Philip N. Anderson

A practical "how-to" book of crystal radio construction. Contains a simple oat box project, formulas for coil inductance and coil Q, a procedure for measuring coil capacitance and theory for L-C circuit matching.

130 pages, 0.5 lb, 5.25" x 8.25"

B-673

\$11.35



Crystal Set Loopers, A 3 Tuber & More, Volume 8

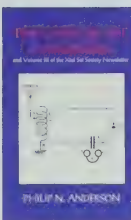
Edited By The Xtal Set Society

The biggest and best volume yet of the Society Newsletter. Has complete directions for building 5 crystal radios, a 3 tube radio and a homebrew variocoupler. Learn about biasing effects on diode performance and crystal detector experiments. Discover crystal set secrets by reading letters from members all over the world. This book continues to focus on simple, old-time, elegant radio circuits. Includes projects you can build, schematics, radio secrets and theory articles. Build a shortwave looper, antenna tuner/AM trap, a crystal set from a deodorant stick and more.

128 pages, 1 lb, 6" x 9"

B-819

\$14.95



Crystal Set Projects from Xtal Set Society Newsletter, Volumes 12 & 13

You'll want to see the many wonderful pictures of in-process and completed sets, including Dan's "Modern Morgan," featured on the cover, and Mike's version of the famous "Oat Box Crystal Set." Here's just a taste of the articles, subjects, and projects included: a regenerative receiver, receiving condensers, a band-pass loop stick radio, a short-wave crystal set, "Build Your Own Cats Whisker Detector," "Doing the Doerle," a super selective set, "Queen Rebecca's Got a New Loopy-Loop," "A CD-ROM Radio," developing an inductance formula for the spiral wound square loops, and more. One aspect of being a crystal radio hobbyist is making radios from things simply lying around the house. Alex Jueschke's article, "Quality Headset from a Magnet, a Relay, and a Can of Peanuts," described on pages 60-61, nicely represents this part of the hobby.

135 pages, 0.8 lb, 8.5" x 11", perfect bound

B-936

\$14.95



call 480.820.5411 or fax 800.706.6789/480.820.4643

Books





Experimental Crystal Set Receivers - Hints, Tips & Secrets

By Hugo Gernsback

For the crystal set receiver enthusiasts, this is an excellent anthology of articles written for Modern Electrics Magazine from 1911-1912. Includes many great projects as well as other useful information

48 pages, 0.2 lb, 8.5" x 5.5", softbound.

B-920

\$5.95

Radios that Work for Free

By K.E. Edwards

An experimenter's handbook on crystal radios, this book includes instructions and theory for building many different crystal radio circuits.

140 pages, 0.5 lb, 5.5" x 8"

B-341

\$12.95

The Voice of the Crystal

By H. Peter Friedrichs

How to build working radio receiver components entirely from scratch. Contains basic theory of crystal radio operation including description of simple headphones, characteristics of a good detector, capacitor characteristics, coil designs, simple tuners and antennas.

183 pages, 0.5 lb, 5.5" x 8.5"

B-851

\$14.25

Guitars & Guitar Amps

50 Years of Fender®

By Tony Bacon

Fender® is the most successful modern maker of electric guitars, and recently marked the 50th anniversary of its first instrument. This new book tells the complete year-by-year story of Fender's development from 1950 to 2000 accompanied by stunning photographs of players, instruments and memorabilia. 50 Years of Fender® is a beautiful, detailed examination of five decades of great guitars and the fine music they inspire. Full Color.

128 pages, 1.5 lbs, 8.5" x 11"

B-870

\$18.95

The Amp Book: A Guitarist's Introductory Guide to Tube Amplifiers

By Donald Brosnac

Covers what an amp is, how an amp works and what to look for in an amp. Includes history of tube amps from 1932 to the present with detailed information on the evolution of amps both internally and externally. Fender®, Gibson, Gretsch, Vox®, Ampeg as well as others are covered.

64 pages, 0.6 lb, 8.5" x 11"

B-688

\$15.60

AMPEG "The Story Behind the Sound"

By Gregg Hopkins and Bill Moore

This is an excellent book detailing the history of Ampeg and related companies as well as providing interesting information on the people who made the company what it is. Includes a great section of full color photographs of Ampeg products as well as photos of musicians who used them. Highly recommended!

288 pages, 2.4 lbs, 8.5" x 10.9"

B-917

\$23.95

The BOSS Book

with CD ROM

The ultimate guide to the world's most popular compact effects for guitars. Included: complete detail and story on every BOSS compact ever made, photos, design history, trivia, tricks, secrets and more, candid interviews with the BOSS founder and design engineers, essays on musical trends and famous players, a CD ROM featuring 72 guitar sounds with control settings and detailed equipment set-ups to take your playing to a whole new dimension.

121 pages, 1 lb, 8.5" x 11"

B-889

\$14.95

Building Vacuum Tube Guitar & Bass Amplifiers, Volume 1

By Tino Zottola

Building your own vacuum tube guitar or bass amplifier from scratch is truly an exciting experience. This book describes the detailed construction of five vacuum tube amplifiers. The construction of these amplifiers is described in full detail with chassis drilling template, component installation, wire-by-wire hook-up and schematic. The amplifier projects included in this book are: Sonic MA1 (two tube amp, late 1950s design with a solid state rectifier), All American 4 (four tube amp, early 1960s design using common radio tubes found in "All American 5" radios made between 1947 and 1971), Champ Amp (classic replica of a 1950s Fender® amp with a single ended 6V6 output tube), Deluxe Amp (classic replica of a 1940s Fender® amp with push-pull 6V6 tubes), Bassman (classic replica of a 1950s Fender® amp with push-pull 6L6 tubes).

120 pages, 0.7 lb, 8.5" x 11", spiral bound

B-911

\$23.95



Building Vacuum Tube Guitar & Bass Amplifiers, Volume 2

By Tino Zottola

The follow-up book to Volume 1 in the series, covering more advanced amplifier construction projects for the experienced builder. Detailed plans for the five classic vacuum tube amplifiers: Deluxe (5E3) 15 watt amp with push-pull 6V6's; Bassman (5F6A) 50 watt amp with push-pull 6L6's; AC30 Top Boost 30 watt amp with quad push-pull EL84's with Top Boost Mods, minus Vibrato circuit; Plexi Super Lead (1959) 100 watt amp with quad push-pull EL34's with master volume mod and Twin Reverb (AB763) with quad push-pull 6L6GC's with Black Face mods.

135 pages, 0.7 lb, 8.5" x 11", spiral bound

B-915

\$23.95



Building Vacuum Tube Guitar and Bass Amplifiers, Volume 3

By Tino Zottola

The follow-up to Volume 1 and 2 in the series, covering advanced amplifier construction projects for the experienced builder. Includes detailed plans for replicas of the following five classic tube amplifiers: Vox® AC15 (minus Vibrato) 15 watt amp with push-pull EL84's; Marshall™ #1958 18 watt amp with push-pull EL84's; Fender® Princeton Reverb® 15 watt amp with push-pull 6V6GT's; Gibson® EH150 25 watt amp with push-pull 6L6G's and Hiwatt DR103 100 watt amp with quad push-pull EL34's.

120 pages, 0.7 lb, spiral bound

B-933

\$23.95



Complete Guide to Guitar and Amp Maintenance

By Ritchie Fliegler

A Practical Manual for Every Guitar Player

From the author of "AMPS!" comes an essential survival guide for every guitar player and amp owner. Packed with concise, clearly written tips on troubleshooting and repairs, with straightforward, step-by-step instructions using readily available tools.

80 pages, 0.6 lb, 9" x 12", contains over 50 photos

B-701

\$10.95



Dave Funk's Tube Amp Workbook

By Dave Funk

Complete Guide to Vintage Tube Amplifiers Volume 1

A large, easy to read tube amp book, designed to be an invaluable reference to those working on or building their own tube amps. Learn how to approach a service job, the tools you'll need on your workbench, and how to use them. Loaded with cross-reference material, lookup tables, formulas and the information you'll need to know when your amp is working properly. Includes 250 pages of Fender® schematics.

421 pages, 2.5 lbs, 11" x 8.25"

B-732

\$36.95



A Desktop Reference of Hip Vintage Guitar Amps

By Gerald Weber

Gerald Weber answers questions about vintage guitar amplifiers on topics such as biasing for output tubes and easy modifications. He includes an analysis of Fender® classics such as the Tweed Champ®, Tweed Deluxe®, Deluxe Reverb®, Super Reverb® and others. Also included are schematics for Ampeg, Fender®, Gibson, Hiwatt, Magnatone, Marshall™, Rickenbacker, Silvertone and Vox® amps.

500 pages, 1.5 lbs, 6" x 9"

B-663

\$25.95



The Early Years of the Les Paul Legacy

By Robb Lawrence

Journey through the career of musical giant, milestone guitarist and recording innovator Les Paul and marvel at the world of cutting-edge guitar design! This lavishly illustrated book emerged out of author Robb Lawrence's years of research, interviews, extensive research of vintage articles. It's all here: the factory pictures, the designers, the electronics. The stories of the experimental "Log", the various Goldtops, Seth Lover's humbucking pickups and the heralded '50s "Sunburst" Standard are told by the insiders and players. You'll read Les Paul in his own words, as well as exclusive interviews with legendary guitarists like Jeff Beck and Michael Bloomfield. Through these insights and recollections, you'll see how this popular man and his admirers have created the Les Paul Legacy.

287 pages, 2.66 lbs, 8.5" x 11.25", hardcover

B-942

\$29.95



Electronic Guitar Amplifier Handbook

By Jack Darr

New reprint of the 4th edition of this book, originally published in 1973. Discusses signal amplification theory, how each part functions in an amplifier and contains many schematics and amps popular at the time.

384 pages, 1.94 lbs, 8.25" x 10.75", softbound

B-925

\$27.95





Electric Guitars

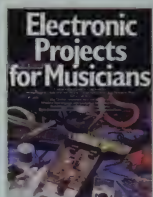
By Robert Goudy

With over 450 color photographs, this book presents a brilliant review of electric guitars from their early years in the mid-20th century to the present day. A broad range of instruments are illustrated, produced by companies both large and small, including Fender®, Gibson®, Guild®, Ampeg™, and Ibanez®. Also included are a history of the development of the electric guitar, brief histories of the companies represented, and lists of serial numbers to assist in dating the instruments. Values for the instruments presented are included in the captions.

176 pages, 2.60 lbs, 8.75" x 11.3", hardcover

B-945

\$39.95



Electronic Projects for Musicians

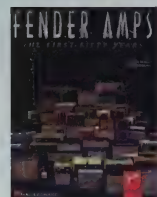
By Craig Anderton

Many effects builders have cited "Electronic Projects for Musicians" as the book that got them started. This book lays out the basics of effects building, detailing the tools, parts and techniques needed. This book contains 27 different projects including fuzz pedals, ring modulator, phase shifter and compressor, complete with diagrams, illustrations and simple step-by-step instructions. For those wanting to build their own effects, this is your starting point.

220 pages, 1.65 lbs, 9" x 12", softbound with audio CD demonstrating effects

B-928

\$27.95



Fender® Amps, The 1st 50 Years

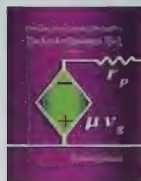
By John Teagle and John Sprung

This is the definitive book on Fender®'s much revered amplifiers. Includes extensive information on the amplifiers that made Fender® famous. Has a great section of color photographs of Fender® amps and related products as well as a section of photos of parts such as tolex and grill cloth, with the corresponding amp models and years that they were used. This is a must have for any fan of Fender® amps!!!

256 pages, 2.2 lbs, 8.5" x 11"

B-702

\$25.95



The Fender® Bassman 5F6-A

By Richard Kuehnel

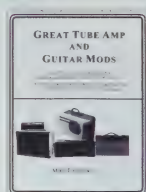
Circuit Analysis of a Legendary Tube Amplifier

Guitar amplifier designers have tweaked, enhanced, or occasionally just copied the Bassman's push-pull class AB design for decades. This advanced book conducts an in-depth analysis of the 1959 model 5F6A, considered by many to be the Bassman at its very best. Step-by-step the author presents all the graphs and formulas a Bassman-inspired circuit designer could ever want.

220 pages, 1 lb, 7" x 9", softbound

B-919

\$38.95



Great Tube Amp and Guitar Mods

By Mike Thompson

Over 50 useful modifications for Fender® and Marshall™ amps and guitars. The author lets readers in on some neat little tricks that can be done to their equipment. All modifications are simple and can be done with easy to find parts. Also includes speaker cabinet and equipment tips for the musician who wishes to customize.

150 pages, 1.1 lbs, 8.5" x 11"

B-737

\$21.95



The Guitar F/X Cookbook & CD ROM

By Chris Amelar

The ultimate source for guitar tricks, effects, and other unorthodox techniques. This book demonstrates and explains 45 incredible guitar sounds using common stomp boxes and a few unique techniques! Fully illustrated.

55 pages, 0.6 lb, 9" x 12"

B-888

\$13.95



The Guitar Handbook

By Ralph Denyer

The essential encyclopedia for every guitar player! The Guitar Handbook is the complete guide to playing the guitar - from simple chords to advanced improvisations. Its uniquely devised learning program combines specially commissioned, step-by-step photographs with a chord dictionary containing over 800 easy-to-follow fingerings, and clear, concise text. It is also a comprehensive manual on guitar hardware and performance technology, sound equipment, special effects, and recording facilities. It examines every aspect of guitar maintenance, repair, and customizing, as well as highlighting over 20 world-famous guitarists. 43 pages with full-color photos and illustrations.

256 pages, 2.1 lbs, 8.5" x 11"

B-948

\$20.65



Guitar Player Repair Guide, Third Edition

By Dan Erlewine

This revised edition is a step-by-step manual to maintaining and repairing electric or acoustic guitars and basses. Players will master the basic maintenance and set up of a guitar. An advanced craftsman will discover this to be a valuable reference source for complex procedures such as replacing nuts and frets. This third edition incorporates new techniques and tools, plus detailed repair information for specific models. Includes DVD demonstrating various techniques of guitar maintenance.

309 pages, 2 lbs, 8.5" x 11", softbound

B-941

\$21.95



The Hammond Organ, Beauty in the B - 2nd Edition

By Mark Vail

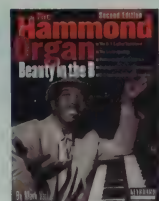
The Story of the B-3 and Other Great Hammond Organs, Plus the Leslie Speaker, and much more ...

This book celebrates the history and influence of the Hammond B-3 and its right-hand man, the Leslie speaker. It explains the tone wheel system that renders the famous Hammond sound, and reveals secrets behind the B-3's drawbars, presets, pedalboard, percussion, and other unique features. Also features "25 licks you must know," plus tips from the masters of the B-3.

239 pages, 1.5 lbs, 8.25" x 10.75"

B-788

\$22.95



The High Performance Marshall™ Handbook

By John Boehnlein

A Guide to Great Marshall™ Amplifier Sounds

Includes chapters on standard amplifiers from 1962 to 1990, retubing for maximum performance, how to overdrive the master volume and much more.

55 pages, 0.5 lb, 8.5" x 11"

B-696

\$22.95



The History of Marshall™

By Michael Doyle

The definitive account of the guitar amplifier manufacturer known as the "sound of rock." Includes complete listings of every product Marshall™ ever made, over 100 schematics, the history of the Celestion speaker and early catalog reprints. Hundreds of photographs, including 64 color.

254 pages, 2.1 lbs, 9" x 12"

B-661

\$24.25



How to Service Your Own Tube Amp

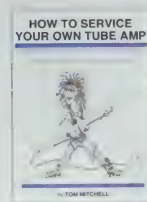
By Tom Mitchell

A well-organized and easy-to-understand approach to guitar amplifier repair covering basic electronics, reading schematics, understanding tubes and transformers, tube biasing and use of test equipment. Also provides 10 troubleshooting flowcharts, voltage charts for typical amplifiers, and many modifications that you can do yourself.

250 pages, 2.3 lbs, 8.5" x 11"

B-707

\$29.95



Inside Tube Amps - The Book on Tube Amps

By Dan Torres

This book is written for musicians, not technicians. This book will help you get your personal sonic signature, and give you the knowledge to change it when your tastes change. Some approaches are new and experimental, some are very old. Looks at "standard practices" as well as tricks and techniques outside of the "perfect specs".

310 pages, 1.9 lbs, 8.5" x 11"

B-733

\$36.95



The Peavey® Revolution

By Ken Achard

Mississippi native Hartley Peavey pursued a dream that started in his teen years and developed into a musical instrument dynasty. The Peavey® Revolution tells the story of 40 years of persistence, passion and personal travail, often in Hartley's own colorful words.

160 pages, 1.75 lbs, 8.5" x 11"

B-923

\$24.95



call 480.820.5411 or fax 800.706.6789/480.820.4643



Pickups, Windings and Magnets

By Mario Milan

This is a comprehensive guide to guitar pickups, detailing their history and development in guitars such as Rickenbacker, Gibson®, Fender®, Gretsch, Danelectro, Epiphone, as well as covering today's handcrafted replacement models from Japanese and European manufacturers. This book also includes a section comparing the innovations in guitars with those occurring in other fields, a 32-page color section showing the most popular models and diagrams of pickups and their components with explanations on how they effect the tone. Historically significant models created by George Beauchamp, Leo Fender®, Seth Lover, Larry DiMarzio and Seymour Duncan are covered in detail.

178 pages, 1.42 lbs, 8.45" x 10.8", softbound

B-943

\$21.95



The Soul of Tone, 60 Years of Fender® Amps

By Tom Wheeler, Foreword by Keith Richards

"The Soul of Tone" is a comprehensive history of the Fender® amplifier, detailing the people, musicians and technical innovations that have made Fender® amplifiers famous. Contains interviews with musicians such as Les Paul and Dick Dale as well as with people who helped engineer many of the designs. Has over 425 images of legendary guitarists including Pete Townshend, Eric Clapton, Stevie Ray Vaughan, BB King as well as photos of many different Fender® amplifiers.

512 pages, 4.63 lbs, 8.45" x 10.8", hardbound + 2 audio CDs

B-938

\$42.95



Tonnes of Tone

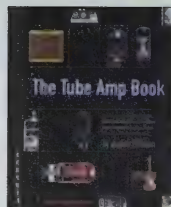
By Kevin O'Connor

A collection of projects for electric guitar and bass players. Save money by building your own acoustic preamp; build a two-channel tube preamp for guitar, and more. Construct a 15W tube power amp or a true class-A solid state amp. The "experimenter's power supply" is excellent for tinkering with tube circuits, containing separate AC heater, DC heater plate and bias supplies. Build a wide range tremolo circuit and an all-tube reverb unit. Circuit operation, construction and layout guidelines are provided. Every project uses easy-to-find parts. To build a complete guitar or bass amp with integrated ground system, check out "The Ultimate Tone Vol.3".

105 pgs, 1 lb, 8.25" x 11"

B-749

\$31.45



The Tube Amp Book, Deluxe Hardcover Edition with CD-ROM

By Aspen Pittman

Already known as the bible of tubes and tube amps, *The Tube Amp Book* is now even better. This deluxe revised edition features 40% new material including a CD-ROM of circuit diagrams plus a dramatically improved design and page layout. The book's technical tips, in-depth electronic specs and explanations, rare schematics, and full-color plates make it a must-have for the legions of tube-tone fanatics. Spiral hardcover.

416 pages, 6 lbs, 9.75" x 12.5"

B-910

\$35.95



Tube Amp Talk for the Guitarist and Tech

By Gerald Weber

A compilation of articles written by Gerald Weber for *Vintage Guitar* magazine from 1993 to 1996. Includes sections with articles on servicing your guitar amp, modifications, and also includes a "Trainwreck" section full of articles written by Ken Fischer for *Vintage Guitar*. Foreword is written by Billy F. Gibbons.

537 pages, 2 lbs, 6" x 9"

B-773

\$26.95



Tube Guitar Amp Essentials

By Gerald Weber

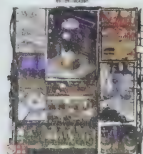
Gerald Weber, of *Kendrick* amplification fame, is the author of *A Desktop Reference of Hip Vintage Guitar Amps and Tube Amp Talk for the Guitarists and Tech*. This is his third book, and works well as a companion to his previous books or on its own.

528 pages, 1.94 lbs, 6" x 9", softbound

B-924

\$28.95

Ultimate Bench Warrior



Ultimate Bench Warrior

By Lee Jackson

How to design, build, and modify custom guitar and bass amplifiers. Amp guru Lee Jackson covers: tools of the trade, the basics of soldering, different tube types with specs and histories, electronic symbols, amplifier modifications from gain stages to adding reverbs, schematics of solid state circuits and power supplies, lists of parts suppliers, and more. Features 180+ photos and illustrations.

152 pages, softcover

B-949

\$22.95

The Ultimate Tone Volume 1

By Kevin O'Connor

Modifying and Custom Building Tube Guitar Amps

This is the book that jump-started the boutique tube guitar amp business. Learn the truth about tube preamp design and modification; see how tube power amps work and can be made more reliable; see how reverbs and effects loops work and better ways to configure them; learn why some amp brands are easier to service and to mod than others; see how simple switching circuits are built and how capable they can be. Tube data for the common types used in guitar and bass amps is provided, along with a discussion of stage set-up and player ergonomics.

368 pages, 2.73 lbs, 8.5" x 11", 395 figures, spiral bound

B-695

\$70.30



The Ultimate Tone Volume 2

By Kevin O'Connor

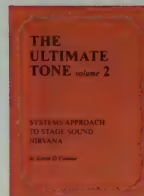
Modifying and Custom Building Tube Guitar Amps

"All the world's a stage", so why not have great sound every time you play? TUT2 reveals how to design tube, solid-state and hybrid power amplifiers for guitar and bass. Everything you need to know about bias methods, myths and circuits is here. "Toneful" power supply mods, high-gain preamps, EQs, electronic cross-overs, speaker simulation, compressors and useful switching circuits are all investigated.

250 pages, 1.9 lbs, 9" x 11", 200 figures

B-772

\$50.35



The Ultimate Tone Volume 3

By Kevin O'Connor

Generations of Tone

Have you ever wondered if there is a better way to build a Bassman, Champ, Plexi, an 800, AC-30, Bulldog or Portaflex? Or you wanted to build an SVT with off-the-shelf parts? How about a master-volume amp that doesn't change tone with the master setting? Everything you need to know is right here, including: proper grounding techniques, wiring methods, and mechanical considerations. Eighteen chapters cover the "iconic" amps everyone knows and loves, with schematics and layouts for each, along with the technical history of the product. Eyelet-board and chassis-mounted tube socket construction is used throughout, for easy servicing and modding. TUT3 is very accessible even if you cannot fully read a schematic and is a "must have" if you are going to build an amp for yourself.

360 pages, 2.2 lbs, 9" x 11", spiral bound

B-891

\$70.30



The Ultimate Tone Volume 4

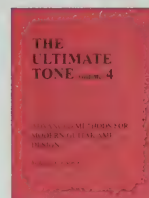
By Kevin O'Connor

Outlines, in schematic form, many approaches that achieve the goal of power scaling, super scaling and power management. A complete history and discourse on the technology outlines how to implement multiple power scale controls, alternative circuit forms and system impacts. Further tutorials outline the methods for super scaling, with both fixed and variable boost ratios, using both solid-state and tube methods. Power management is explored, covering AC and DC current limiting, voltage restoration, voltage clamping, sag control systems both active and passive, R-M-X and G-M-X techniques, and composite zener circuit applications - the latest trend in tube amp biasing.

417 pages, 3.29 lbs, 9" x 11", 548 figures, spiral bound

B-932

\$108.00



The Ultimate Tone Volume 5

By Kevin O'Connor

Every part of your system contributes to your Ultimate Tone, so every part is important. TUT5 delineates, in clear language, the function of each electronic component in a circuit, and how alterations to the value of each part affect the final sound. Gain stage voicing, interstage attenuator optimization, sustain restoration for clean and distorted tones, power amp and preamp "tone generators" simple boost pedals, amp selectors and power conditioners are all covered, with designs using off-the-shelf parts. Like TUT3, this is a "project book" presenting design challenges and solutions, with a diversity of tube and solid-state circuits for bass, guitar and keyboards.

2 lbs, 8.5" x 11", spiral bound

B-913

\$65.00



The Ultimate Tone Volume 6

By Kevin O'Connor

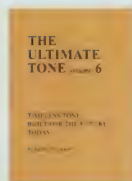
Timeless Tone Built for the Future Today

The evolution of guitar amp circuits becomes a revolution! TUT6 takes you through advanced DC Power Scaling methods; reveals the secrets of Dumble amps; explores the truth about high-gain preamps; demonstrates how to build Z-B-X push-pull power amps with a single power tube; simplifies the design of 400W+ tube amps - methods that can be applied to any power level; presents class-G tube amps where 100W of output has the same waste heat as a 25W amp; explores modern mains control and sustain circuitry.

2.15 lbs, 8.5" x 11", spiral bound

B-946

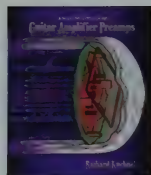
\$68.20



Books

call 480.820.5411 or fax 800.706.6789/480.820.4643





Vacuum Tube Circuit Design: Guitar Amplifier Pre Amps

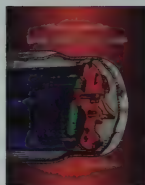
By Richard Kuhnel

Targeted at experienced builders who want to design their own circuits from the ground up, this book presents a comprehensive study of triode and pentode preamp design. From the impedance characteristics of the guitar pickup, to the Miller capacitance at the second-stage tube grid, the author describes how to manipulate frequency response and control the dynamics of nonlinear distortion.

223 pages, 1.1 lbs, 7" x 9", softbound

B-934

\$39.95



Vacuum Tube Circuit Design: Guitar Amplifier Power Amps

By Richard Kuhnel

A comprehensive manual for designing power amps and phase inverters from scratch, this book provides the engineering details that professional amp builders need to create new circuits. To determine how component values affect the dynamics of an overdriven power stage, the author includes full blown studies of grid bias excursion, power supply sag and negative feedback effects.

376 pages, 1.7lbs, 7" x 9", softbound

B-947

\$59.95

Vacuum Tube Guitar and Bass

Tino Zottola

Vacuum Tube Guitar and Bass Amplifier Theory

By Tino Zottola

Describes the history and operation of vacuum tubes as well as how they are used in guitar/bass amplifier circuits. Amplifier electrical and physical layout is then examined. The factors affecting amplifier sound are also described. Included in the appendices is useful data such as: resistor and capacitor codes, vacuum tube electrical data, wire gauge table, and musical scale frequency chart.

59 pages, 0.6 lb, 8.5" x 11"

B-735

\$23.95



Vacuum Tube Guitar and Bass Amplifier Servicing

By Tino Zottola

Guitar amp repair is split into several categories: user serviceable problems (fixable without chassis removal), dead and strange sounding amps. Includes sections on amp disassembly, preventative maintenance, special effects repair, signal tracing, component testing and replacement, bias adjustment, tube matching and amp mods. It's assumed the reader knows basic electronic theory, can read schematics and can use tools and test equipment.

84 pages, 0.8 lb, 8.5" x 11"

B-736

\$23.95

Vintage Electric Guitars: In Praise of Fretted Americana

By William G Moseley

An extravaganza for electric guitar lovers! This book features hundreds of American-made guitars and basses from the '40s to the '80s, including many rare brands and models. Read about the ups and downs of major companies like Fender® and Gibson®, and trace their variations in guitar design over the years. Learn more about Harmony and Kay, the "big two" of budget guitars. In fact, this book features many guitars that are often much harder to find on the vintage market—the "everyman" guitars, the student and budget models that got us started. Here you'll find fascinating discussions of Valco, Peavey®, Guild, Danelectro, and many others, along with chapters devoted to "One-Shots" and "Sordid Seventies Samples and Early Eighties Oddities." Guitar enthusiasts will find not only the guitars they have dreamed of owning, but the ones they first owned. An authoritative and entertaining text, a helpful lexicon, gorgeous photographs, and foreword by .38 Special guitarist Jeff Carlisi make this book a necessity for any musician's library.

160 pages, 1.85 lbs, 8.5" x 11", softbound

B-944

\$29.95

The Vox® Story

By David Peterson and Dick Denney

This is a must have for all fans of Vox® amps. This book covers the entire 30 year history of the company and includes some of the musicians who made Vox® famous, including The Shadows, The Beatles and Brian May. There are over 100 photos of Vox® amps, organs, effects and musicians rocking on Vox® gear.

168 pages, 1.2 lbs, 9" x 12", softbound

B-930

\$29.95

Ham Radios, Shortwave & Communications

Ham Radio, Shortwave & Communications

Edited By Hugo Gernsback

1934 Official Shortwave Radio Manual

A high-quality reprint of Gernsback's 1934 "Complete Experimenter's Set-Building and Servicing Guide," including a "Full Directory of All Short Wave Receivers." Contains schematics of over one hundred different commercial receivers, along with a construction section showing how to build many early short wave receiving and transmitting circuits.

260 pages, 1.7 lbs, 8.5" x 11"

B-390

\$15.15

SHORT WAVE
Radio Manual



1935 Short Wave Radio Manual

A high quality reprint of Gernsback's 1935 "Complete Experimenter's Set Building and Service Guide", including a "Full directory of all short wave receivers". Contains schematics of over one hundred different commercial receivers, along with a construction section showing how to build many early short wave receiving and transmitting circuits.

240 pages, 1.7 lbs, 8.5" x 11"

B-903

\$17.95

A Family Affair - The R.L. Drake Story

By John Loughmiller, KB9AT

Here is the behind-the-scenes story of the famous R.L. Drake Company, focusing on the glory days, when Drake was king in amateur radio. Every ham and shortwave listener knew R.L. Drake from the outside, but now the inside story of this incredibly interesting company is told. This book also includes a huge section of useful circuits and modifications for many Drake radios. This 300 page book is both an interesting read and a great technical reference.

288 pages, 2.1 lbs, 8.5" x 10.75"

B-875

\$28.95

Buying a Used Shortwave Receiver

By Fred Osterman

Buying a Used Shortwave Receiver can provide great savings. This book provides the information you need to intelligently select the right shortwave receiver at the right price. There is information on the 100 most commonly traded shortwave receivers, including both portable and tabletop models. Includes Coverage, Specs, Features, New Price, Used Price and Photographs.

78 pages, 0.5 lb, 5.5" x 8.5"

B-826

\$5.95

Radios by Hallicrafters

By Chuck Dachis

Revised and Expanded 2nd Edition with Price Guide

This new, complete book covers every known Hallicrafters model and accessory. A comprehensive history of the company is provided, repair methods are discussed, and all the units are pictured and listed in almost 700 photographs. Technical specifications are provided in detail for each one, along with dates of production, customer options, color and design variations, and accompanying power sources and tube types. This book is perfect for anyone interested in the history of radio use and technology and is absolutely indispensable for Hallicrafter collectors. A current price guide is included, compiled by the past two decades most avid Hallicrafters collector.

235 pages, 2.75 lbs, 8.5" x 11"

B-832

\$26.95

Loudspeakers

London Power DIY Speaker Cabinets for Musical Instrument Applications

Speaker cabinet design is mysterious to most people, but it doesn't have to be - especially when it comes to speakers for musical instruments. Cabinet evolution is described culminating in Kevin's own designs built by London Power, based on 20+ years of experience and input from expert speaker designers. Resonant and non-resonant cabinets are explored, along with the choice of building materials, finishes, woodworking techniques, installing grill cloth, and the use of wheels and handles. Driver selection and mixing is detailed, covering driver impedance, power ratings and wiring. Dare to design bad tone right out of your life!

77 pages, 0.34 lb, 5.5" x 8.5", spiral bound

B-884

\$18.85

Radios

The All-American Five Radio

By Richard McWhorter

Understanding and restoring transformerless radios of the 1940s, 1950s and 1960s. Begins with a description of the fundamentals of direct current and alternating current. Also included is some basic information about resistors and capacitors. Circuits are discussed in detail beginning with the simplest and progressing to those that are quite complex. When you finish this book, you should be able to read and understand all of the electronic symbols and the functionality of each radio circuit.

92 pages, 0.5 lb, 7" x 10"

B-906

\$19.95

Atwater Kent Radio Parts List

A companion book to the 1928 A.K. Service Manual (B-356), this reprint shows chassis views and parts identification for all the models listed above.

64 pages, 0.5 lb, 9" x 11", spiral bound

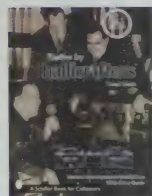
B-357

\$11.95

call 480.820.5411 or fax 800.706.6789/480.820.4643

139

Books





Atwater Kent Radio Service Manual

A reprint of the 1928 A.K. factory service manual, covering models 10, 10B, 12, 20, 20C, 30, 32, 33, 35, 36, 37, 38, 40, 42, 44, 48, 49, 50, and 52.

98 pages, 0.8 lb, 9" x 11", spiral bound

B-356

\$12.95



Cathedral and Tombstone Radios

By Mark V Stein

The source book for collectors of cathedral and tombstone radios, this book has over 1500 illustrations of both US and Canadian radios. Brand name and manufacturers are listed along with model numbers, tube and band counts, and cabinet styles. This book has current market values and is a good guide in determining how much a cathedral or tombstone radios is worth.

160 pages, 1.25 lbs, 6" x 9", softbound

B-940

\$26.95



Classic Cones

By Buford and Jane Chidester

A Pictorial Reference and Value Guide for 1920s Radio Cone Speakers

In the latter part of the 1920s, radio manufacturers turned their attention to designing speakers that would look attractive and blend in with the home environment as well as sound better than the horn speakers produced in the earlier part of the decade. This full color book provides photos, descriptions and current values for almost 300 different models of radio cone speakers from the 1920s. It also includes many advertisements for the speakers shown.

122 pages, 1 lb, 8.5" x 11"

B-887

\$22.95



Collector's Guide to Antique Radios, 7th Edition

By John Slusler

This is one of the most extensive guides for antique radio collectors, featuring 10,500 different models and 1,200 color photos. With up-to-date values and basic specifications for each radio listed, this guide is invaluable.

320 pages, 2.3 lbs, 8.5" x 11"

B-939

\$23.95



The Early Developers of Radio in Canada 1901-1930

Edited By Robert P Murray

This book details the contributions, inventors and companies that brought radio to the airwaves of Canada. A great read about the history of Canadian radio.

160 pages, 1.2 lbs, 8.5" x 11", softbound

B-921

\$23.95



Elements of Electricity and Radio

Reprint of the original basic electricity and electronics course from the US Navy. Has chapters on mathematical principals (everyone's favorite!), to elementary definitions and Ohm's Law, to applications of vacuum tubes. Also has commonly used charts and tables. If you're interested in electronics, but need to start at the beginning, this book is for you. Over 50 years old, and still important information.

205 pages, 0.7 lb, 6" x 9"

B-758

\$6.95



A Flick of the Switch

By Morgan E. McMahon

A companion volume to Vintage Radio 1887-1929, this book continues with the history of radio into the beginnings of television. Over 1,000 pictures.

300 pages, 0.8 lb, 5.25" x 8.5"

B-305

\$11.35



How to Build the Twinplex Regenerative Receiver

By T. J. Lindsay

You can build the 1934 classic Doerle Twinplex, a single tube regenerative receiver powered by batteries! Simple, stable, sensitive and inexpensive. Great project for beginners or those who remember the joy of making their own radios. Includes designs for two other Twinplex receivers, one tube and one solid state.

63 pages, 1 lb, 5.5" x 8.5"

B-791

\$7.95

How to Build Your First Vacuum Tube Regenerative Receiver

By T. J. Lindsay

This book will coach you through building your first regenerative receiver. Learn the practical aspects of finding old components and using them toward your goal of building your own little radio. The set described is a real working receiver that was built from salvaged material on hand.

127 pages, 0.5 lb, 5.5" x 8.5"

B-774

\$9.45

The Impoverished Radio Experimenter Volume 1

Contains tricks, tips and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Also: vacuum tube substitutions; inexpensive tube power supplies; grid leak detectors; regenerative receivers and more.

48 pages, 0.25 lb, 5.5" x 8.5"

B-861

\$5.95

The Impoverished Radio Experimenter Volume 2

Contains tricks, tips and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Build a grid dip oscillator, a shortwave converter, a slow motion dial drive, space-wound coils and more!

48 pages, 0.25 lb, 5.5" x 8.5"

B-885

\$5.95

The Impoverished Radio Experimenter Volume 3

Contains tricks, tips and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Build an Impedance Bridge, a one-tube SW receiver, a headphone amplifier, old-time radio cases and more!

48 pages, 0.25 lb, 5.5" x 8.5"

B-901

\$6.95

The Impoverished Radio Experimenter Volume 4

Contains tricks, tips and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Build a TRF Regen receiver; one-tube crystal converter; versatile power supply; slide rule dial and much more!

48 pages, 0.25 lb, 5.5" x 8.5"

B-907

\$6.95

The Impoverished Radio Experimenter Volume 5

Contains tricks, tips and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Discover how to build components and to test equipment with detailed information on short-wave radio frequency tuning, vacuum tubes, crystal sets and other simple technologies. Build your own superhet receiver, coil winding machine, simple alignment oscillator or IF transformer.

48 pages, 0.25 lb, 5.5" x 8.5"

B-914

\$6.95

The Impoverished Radio Experimenter Volume 6

The sixth book in this series of books for the economically minded radio experimenter, this edition features projects on building a loose-coupler, active wire antenna, and regenerative loop receiver as well as information on single tube transmitters and transmitter experiments.

48 pages, 0.25 lb, 5.5" x 8.5"

B-931

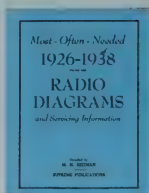
\$6.95



Books

call 480.820.5411 or fax 800.706.6789/480.820.4643





Most Often Needed 1926-1938 Diagrams

A reprint of Morris Beitman's Supreme Publications book, showing circuit diagrams for 600 of the most commonly found radios of that time. A valuable resource for restorations.

240 pages, 1.4 lbs, 8.5" x 11"

B-307

\$15.95



Old Time Radios! Restoration and Repair

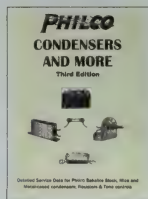
By Joseph J. Carr

A well-written book on the history, theory and practical operation of old-time radio sets, with detailed instructions on how to repair them. Included is information on how vacuum tubes work, radio troubleshooting, alignment, test equipment, and repairing water damage.

256 pages, 1 lb, 7.25" x 9"

B-570

\$16.95



Philco Condensers and More

By Ray Bintliff

Provides detailed data for Philco Bakelite block condensers, metal-cased condensers and tone controls. Pictorial guides show electrical connections and capacitor values.

68 pages, 0.4 lb, 8.75" x 11", more than 300 illustrations

B-830

\$16.95



Radio-Craft 50 Years of Radio

Edited by Hugo Gernsback

A reprint of Gernsback's 1938 special issue of Radio-Craft magazine which commemorated the first 50 years of radio. Contains the reminiscences of radio pioneers DeForest, Sarnoff, Conrad, Crosley, McMurdo Silver and others, as well as the famous Gernsback predictions for the next 50 years. Also details the progression of the vacuum tube; mileposts in television and famous early radio circuits; and includes hundreds of photos.

144 pages, 1.2 lbs, 8.5" x 11"

B-373

\$14.95



Radio Dial Belts

By Ray Bintliff

This is the radio collector's guide to choosing and replacing dial belts. More than 1,000 models from 47 manufacturers are covered and has the complete data for JFD & General Cement belts. Also contains background information regarding dial belts and offers practical advice regarding the replacement of missing or defective belts.

55 pages with illustrations, 0.25 lb, 8.5" x 11"

B-922

\$15.95



Radio Manufacturers of the 1920s, Volume 1

By Alan Douglas

Volume 1 covers A-C Dayton through J.B. Ferguson

This monumental 3 volume work offers an outline history for each of the major radio manufacturers of the 1920s. It features the company principals and their factories, the financial ups and downs of the industry, and hundreds of pictures of radios produced up to 1930.

225 pages, 2 lbs, 8.5" x 11", softbound

B-385

\$28.95



Radio Manufacturers of the 1920s, Volume 2

By Alan Douglas

Volume 2 covers Freed Elsemann through Preiss

This monumental 3 volume work offers an outline history for each of the major radio manufacturers of the 1920s. It features the company principals and their factories, the financial ups and downs of the industry, and hundreds of pictures of radios produced up to 1930.

266 pages, 2 lbs, 8.5" x 11", softbound

B-534

\$28.95



Radio Manufacturers of the 1920s, Volume 3

By Alan Douglas

Volume 3 covers RCA through Zenith

Features the company principals and their factories, the financial ups and downs of the industry, and hundreds of pictures of radios produced up to 1930.

285 pages, 2 lbs, 8.5" x 11", softbound

B-567

\$28.95



Books

Radio Pioneers, 1945

First published in 1945 by the Institute of Radio Engineers (IRE), this was handed out at the Radio Pioneers Dinner in November 1945. This includes a history of the IRE as well as photos of John Stone, Robert Marriot, Greenleaf W. Pickard as well as other members. There is also a succinct chronology of radio developments to 1924, a history of the Veteran Wireless Operators association and other historically interesting writings, as well as photos of early equipment and tubes.

64 pages, 0.25 lb, 8.5" x 11"

B-926

\$7.95



Radio Set Socket Layout Guide 1921 to 1935

This reprint of a 1935 RCA publication shows tube complement, chassis layout and date of manufacture for thousands of radios produced by over 100 different manufacturers. It also contains a tube data chart and base diagrams for RCA receiving tubes. It is very useful for identifying unknown model numbers or determining which tubes belong in a set.

256 pages, 0.9 lb, 5" x 8.25"

B-624

\$8.95



Radio, Wireless Telephone and Wireless Telegraph Equipment

High quality reprint of early (1920s) Montgomery Ward catalog of "wireless" equipment. 32 pages of radios, kits, tubes and books as available 70 years ago. Sorry, you can't order from this catalog!

32 pages, 0.2 lb, 6.75" x 9.5"

B-697

\$1.95



Radiola, The Golden Age of RCA 1919-1929

By Eric P. Wenaas

This comprehensive book documents and pictures every nationally advertised radio receiver and the major accessories sold by RCA during that first decade, with nearly 700 color photos of apparatus, magazine ads and promotional literature. While the focus of the book is on receiver apparatus, the historical context is also provided, sometimes with a unique spin on historical events, gleaned from extensive research of material from museum archives and other obscure documents. The author has relied almost entirely on original documents and contemporaneous articles, citing over 470 references. The history buff will find new and interesting information here not only on RCA but also on the companies that produced apparatus for them, including GE, Westinghouse, Wireless Specialty Apparatus, and Marconi Wireless Telegraph Co., as well as companies that used RCA radios and amplifiers in their own products, including Victor Talking Machine Co., Brunswick-Balke-Collender Co. and Graybar Electric Company. This book is an essential reference for the library of radio historians and collectors alike.

485 pages, 4.1 lbs, 8.5" x 11.25", hardcover

B-935

\$56.95



RCA Radiolas, Radiotrons and Accessories

A reprint of 1925 RCA promotional literature. 20 pgs of pictures and information on models 30, Super VIII, 28, 26, 25, 20, III, and IIIA receivers and loudspeakers #100, 102, 104 and UZ-1325.

20 pages, 0.2 lb, 4.75" x 7.5"

B-K15

\$1.95



call 480.820.5411 or fax 800.706.6789/480.820.4643



READY
SET
GO!AN ELECTRONIC
REFERENCE FOR THE
EVERYMAN

By Kevin O'Connor

Ready Set Go! An Electronics Reference for the Everyman

By Kevin O'Connor

A handy reference for the novice electronic tinkerer and experienced craftsman alike. Informative and easy to read, the book explains: how to read schematic symbols; explains standard notation, S. I. symbols and tolerances; reveals the resistor color code; lists standard resistor values for 1%, 5%, 10% and 20% components; lists standard capacitor values and explains the color coding of vintage caps; explains current, voltage, power, resistance, capacitance and inductance; explains Ohm's Law and how to figure out series/parallel resistance. Transformers and impedance are clearly explained. Examples are worked out throughout the book to illustrate how truly simple basic electronics is!

84 pages, 2 lbs, 9" x 11", spiral bound

B-821

\$28.30

Rider Complete Index to Perpetual Trouble Shooter Manuals

Covers volumes XVI through XXII.

48 pages, 0.5 lb, 8.5" x 11"

B-347

\$8.50

Zenith Radio: The Early Years 1919-1935

By Harold Cones, PhD

John Bryant, AIA with Martin Blankinship and William Wade. Zenith's "The Quality Goes in Before the Name Goes On" is one of the most recognized, and well earned corporate motto in America. With access to the Zenith corporate archives and their discovery of the long sealed files of one of Zenith's founders, the authors present for the first time the documented story of the early years of Zenith. The authors present a wealth of never before published photographs, documents and information as well as color portraits of many Zenith radios of the era. Includes a database of valuable information which covers every radio produced by the company, along with a rarity and price guide.

192 pages, 2 lbs, 11" x 8.5"

B-770

\$29.95

Zenith Radio Service Manual and Parts List

Re-print of early Zenith service manual. Includes schematics and parts lists for Zenith radios made from 1928 through 1939. Offers help with alignment procedures, antenna alignment, and gives parts lists along with tube layouts on most models.

510 pages, 2.6 lbs, 8.5" x 11"

B-755

\$17.95

Zenith Radio, The Glory Years 1936-1945: History and Products

By Harold Cones, PhD, John H. Bryant, FAIA, & Martin Blankinship

History and Products begins with an exploration of the history of the corporation from 1936-1945 in a thoroughly researched and illustrated way. It continues with color photographic portraits of outstanding examples of many of the products manufactured by Zenith in this period, providing a visual survey of the wide range of Zenith radios produced during the Glory Years.

256 pages, 2.4 lbs, 11" x 8.5", 180 color and 183 black and white photos

B-908

\$29.95

Zenith Radio, The Glory Years 1936-1945: Illustrated Catalog and Database

By Harold Cones, PhD, John H. Bryant, FAIA, & Martin Blankinship

The Illustrated Catalog and Database includes a catalog that gathers the most complete collection of Zenith images ever published, followed by a database which is the most complete listing of Zenith products. In addition, appendices to this volume include Commander Eugene MacDonald's Presidential speeches, information on telepathy experiments at Zenith, Zenith in the movies, and Zenith Annual Reports from 1936-1946.

182 pages, 1.7 lbs, 11" x 8.5", 520 black and white images

B-909

\$26.95

Zenith Trans-Oceanic, 2nd Edition, Revised and Expanded

By John H. Bryant and Harold Cones

The previously untold story of the Zenith Trans-Oceanic, the world's most romantic and expensive series of portable radios, now in a newly revised and expanded edition. Long a companion of kings, presidents, transoceanic yachtsmen and world explorers, the Trans-Oceanic was also carried into battle by American troops in three wars. Its great popularity in spite of a very high price can be laid at the feet of several generations of armchair travelers who used the shortwave capabilities of the Trans-Oceanic as a window on the world. With access to the Zenith corporate archives and their long experience as radio enthusiasts and writers for both the popular and scholarly press, Professors Bryant and Cones present the engrossing stories of the development and use of the Trans-Oceanic throughout its forty year life. They present a wealth of never-before published photographs, documents and information concerning these fascinating radios.

176 pages, 1.95 lbs, 8.5" x 11"

B-692

\$29.95

ZENITH
RADIOService
Manual
and Parts List

Zenith is a trademark of the Zenith Corporation.



Telephones

100 Years of Bell Telephones

By Richard Mountjoy

From the Coffin sets of the 1870s to the Princess phones of the 1960s and beyond, this book explores the technology and the history of the telephone. Because the Bell Company was the sole source for much telephone technology until very recently, much of the public access to this information has been quite limited. This definitive work will end much uncertainty by providing a vast amount of information never before published. Design changes are carefully chronicled with 350 color photographs. For those who are restoring a telephone and would like to ensure its historical accuracy, this book will make it easy to match pieces correctly.

175 pages, 1.9 lbs, 8.5" x 11"

B-730

\$29.95



Books

Vacuum Tubes/Tube Publications

The Ballast Tube Handbook

By A.P. Jacobi

A comprehensive collection of ballast tube data, newly revised and expanded to include a 53 page section on ballast tube substitutions. Lists over 4000 tube numbers.

120 pages, 0.9 lb, 8.5" x 11"

B-573

\$12.95



A Brief History of Bendix Red Bank Tubes

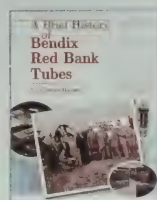
By Charles Hansen

Hansen has covered the history of these mysterious tubes and presents the details of these rugged, highly reliable tubes made for the military for use in guided missiles. An interesting story of one company's approach to extremely high quality vacuum tube design. The book includes several appendices including Eric Barbour's 1996 article from "Vacuum Tube Valley", Bendix company documents, and tube data sheets for many of the company's tubes.

81 pages, 0.6 lb, 8½" x 11"

B-937

\$23.95



Collector's Vacuum Tube Handbook Volume 1

By Robert T. Millard

This book contains hard-to-find electrical data on nearly 200 tube types that pre-date the RMA (Radio Manufacturers Association) standardized numbering system, which was initiated in 1934. It includes basing diagrams, photos of tubes and boxes, and brief developmental histories of each. Western Electric, DeForest, Arcturus, Cunningham, GE, Westinghouse, Philco, Speed, Ken-Rad, Sparton, Cardon, Daven, McCullough, and others are among brands covered.

196 pages, 1.2 lbs, 7" x 10"

B-883

\$22.95



Electron Tube Locator

By George H. Fathauer

A comprehensive listing of receiving, transmitting and industrial tube types manufactured in the U.S. and Europe with references to sources of complete data. Includes tube functions, filament/heater characteristics and basing diagrams. Lists approximately 12,000 different tube types. Contains over 300 pages of data and diagrams.

326 pages, 1.5 lbs, 8.5" x 11"

B-662

\$24.95



Electron Tube Resume

By George H. Fathauer

An abridged version of the "Electron Tube Locator" (B-662) covering the designation system used by major tube manufacturers in the U.S. and Europe. Includes equivalent tables for U.S. VT types and early Navy types.

30 pages, 0.1 lb, 5.5" x 8.5"

B-672

\$4.95



Getting the Most Out of Vacuum Tubes

By Robert B. Tomer

Types and causes of tube failures, what to expect from tubes, testing methods, and all about tube maintenance programs.

160 pages, 0.6 lb, 5.5" x 8.5"

B-898

\$14.95



call 480.820.5411 or fax 800.706.6789/480.820.4643





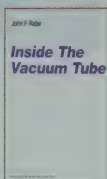
G.E. - Essential Characteristics

The 1973 edition of G.E.'s tube data book, giving all the characteristics starting with 00A and 01A. Includes foreign to American tube interchangeability chart, industrial/military cross reference, picture tube data and basing diagrams. Also entertainment semiconductors.

473 pages, 1.3 lbs, 5.5" x 8.5"

B-377

\$12.95



Inside the Vacuum Tube

By John F. Rider

This is one of the most comprehensive books ever written about the functions of vacuum tubes. Combining concise writing, real world analogies and illustrations of key concepts, this book is invaluable for those interested in learning about vacuum tubes.

407 pages, 1.1 lbs, 4.375" x 8.25"

B-916

\$29.95



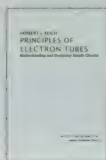
Operators and Organizational Maintenance Manual for TV-7 Tube Testers

Reprint includes introduction and general description of tester, operating instructions, maintenance instructions and even instructions for demolition to prevent enemy use! Spiral bound.

44 pages, 0.1 lb, 8.5" x 11"

B-675

\$10.95



Principles of Electron Tubes

By Herbert J. Reich

First appeared in 1941 as a textbook for beginners studying tube technology. Includes physical concepts, thermionic emission, grid controlled high vacuum tubes, circuit analysis, amplifier design and much more. A must for any library.

398 pages, 1.5 lbs, 6" x 9"

B-693

\$34.95

Radio Tube Manual

Reprint of early manual giving data and basing diagrams on tubes from 00A through octals and loctals. Includes types BA and BH, Sparton 182B and 183, and 2 pgs on early Western Electric types.

35 pages, 0.1 lb, 5.25" x 8.5"

B-337

\$5.95

Radio Tubes and Boxes of the 1920s

By George A. Fathauer

George Fathauer captures the excitement and intrigue of that first decade of home radio through a pictorial presentation of the radio tubes of the era. With over 400 photos and illustrations of early tubes, it shows the colorful packaging and sometimes unusual construction features employed by tube makers to market their products to the public. Collectors and historians alike will appreciate this entertaining way of revisiting the early days of the electronics industry in the United States.

105 pages, 1 lb, 8.5" x 11"

B-824

\$23.95

RCA Transmitting Tube Manual

A high quality reprint of the RCA Transmitting Tube Manual TT-5, it includes tubes up to 4kw plate input. Includes technical data, outlines and typical circuits.

316 pages, 0.9 lb, 5.25" x 8.25"

B-676

\$12.95

RCA Receiving Tube Manual RC-30

A high quality reprint of the 1973 RCA Receiving Tube Manual (Technical Series RC-30). Includes tubes not found in RC-19, for example: 6CA7/EL34, 5AR4/GZ34, 6DJ8, 6DN7, 6LF6, 6KG6A/EL509, 6550, 7189, 7591 and the 7868 to name a few. Also includes pictures and industrial receiving tubes.

760 pages, 2 lbs, 5.25" x 8.25"

B-822

\$23.95

Saga of Marconi Osram Valve

By Barry Vyse & George Jessop

Electronics were born in 1904 with the invention of the thermionic diode. From then on up to c. 1960, thermionic valves were the technology. Marconi-Osram Valve was involved in the valve business from the beginning, this was the earliest time GEC was associated with the name Marconi, and it became one of the world's great companies in its contribution to science, technology and industry over an extended period. This book details the story of this great company with full illustrations, both black and white and color.

346 pages, 2.4 lbs, 7" x 10"

B-881

\$34.95



Saga of the Vacuum Tube

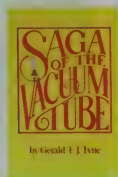
By Gerald F.J. Tyne

The most comprehensive history of the thermionic vacuum tube. Contains hundreds of photos and essential facts to assist in identifying tubes made prior to 1930, and traces the evolution of tube development with histories of the manufacturers. Truly a classic!

494 pages, 1.4 lbs, 5.5" x 8.5"

B-376

\$17.95



Test Data for TV-7/U Tube Tester

High quality reprint of the test set-up manual for the military TV-7/U, TV-7A/U, TV-7B/U, and TV-7D/U versions of Hickock tube testers, normally supplied in the lid of the tester. Also contains operating instructions, conversion table for Army VT numbers, and data table for CV type tubes.

83 pages, 0.2 lb, 6.75" x 5.25"

B-546

\$9.95



Thordarson Transformer Manual

This is a reprint of Thordarson's Sound Amplifier Manual No. 346-A, Serviceman's Guide 342-A, Radio Servicing Guide 342-B, Complete Transformer Guide 400, and TruFidelity Transformer Catalog 500.

144 pages, 1.5 lbs, 8.5" x 11"

B-864

\$11.35



Tube Lore: A Reference for Users and Collectors

By Ludwell Sibley

For the serious tube enthusiast: a collection of tech data, history of design trends, notes on equivalents, stocking-up hints, "where-used" information, etc. Describes regular grided tubes used in radios, audio amplifiers, and communications gear, plus the unique types in radar and other special applications. Includes 30 page chapter on Western Electric. Has material unavailable in conventional tube manuals: hints on identifying, dating, testing, reactivating, etc. Does not have detailed specs or curves.

186 pages, 1.0 lbs, 8.5" x 11"

B-748

\$19.95



Tube Substitution Handbook Revised Edition

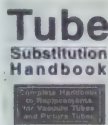
By William Smith and Barry Buchanan

This is the most accurate, up to date guide available to determine direct substitutions for receiving tubes and picture tubes.

149 pages, 0.5 lbs, 6" x 9"

B-825

\$26.95



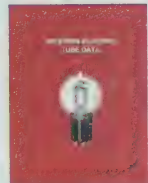
Western Electric Tube Data

Hard-to-find data for 44 Western Electric tube types (205D, 300B, 350B, etc.) popular for audio use and early tube collecting. Includes pictures of tubes and complete operating characteristics and curves.

240 pages, 1.5 lbs, 8.5" x 11"

B-659

\$17.95



Tube Data Book Set

Buy the following 4 books and SAVE OVER 10%! 3.8 lbs.

- | | |
|-------|-----------------------------------|
| B-377 | GE Essential Characteristics |
| B-822 | RCA Receiving Tube Manual (RC-30) |
| B-573 | Ballast Tube Handbook |
| B-672 | Electron Tube Resume |



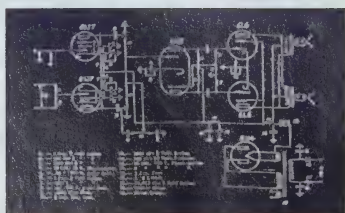
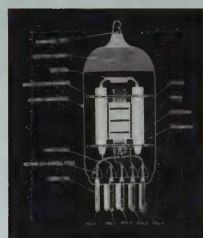
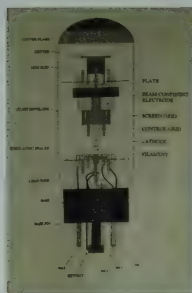
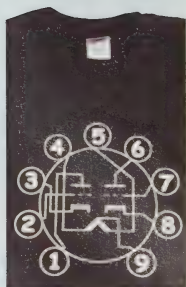
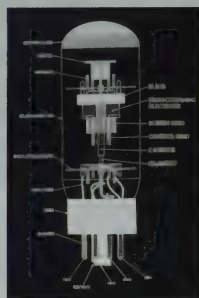
B-TUBEDATA

\$48.95

call 480.820.5411 or fax 800.706.6789/480.820.4643

Books





6L6 Diagram

Forest Green

Medium	G-869M	\$9.95
Large	G-869L	9.95
Extra Large	G-869XL	9.95
Extra Extra Large	G-869XXL	11.95

Stonewash Green

Medium	G-870M	9.95
Large	G-870L	9.95
Extra Large	G-870XL	9.95
Extra Extra Large	G-870XXL	11.95

12AX7 Diagram

Rust

Medium	G-868M	\$9.95
Large	G-868L	9.95
Extra Large	G-868XL	9.95
Extra Extra Large	G-868XXL	11.95

Black

Medium	G-867M	9.95
Large	G-867L	9.95
Extra Large	G-867XL	9.95
Extra Extra Large	G-867XXL	11.95

Tube Shapes

Black

Medium	G-847M	\$9.95
Large	G-847L	9.95
Extra Large	G-847XL	9.95
Extra Extra Large	G-847XXL	11.95

Royal Blue

Medium	G-848M	9.95
Large	G-848L	9.95
Extra Large	G-848XL	9.95
Extra Extra Large	G-848XXL	11.95

Tube Pin Out

Black

Medium	G-852M	\$9.95
Large	G-852L	9.95
Extra Large	G-852XL	9.95
Extra Extra Large	G-852XXL	11.95

Brown

Medium	G-853M	9.95
Large	G-853L	9.95
Extra Large	G-853XL	9.95
Extra Extra Large	G-853XXL	11.95

Vintage Schematic

Black

Medium	G-849M	\$9.95
Large	G-849L	9.95
Extra Large	G-849XL	9.95
Extra Extra Large	G-849XXL	11.95

Royal Blue

Medium	G-850M	9.95
Large	G-850L	9.95
Extra Large	G-850XL	9.95
Extra Extra Large	G-850XXL	11.95

Cardinal Red

Medium	G-872M	\$9.95
Large	G-872L	9.95
Extra Large	G-872XL	9.95
Extra Extra Large	G-872XXL	11.95

Charcoal

Medium	G-873M	9.95
Large	G-873L	9.95
Extra Large	G-873XL	9.95
Extra Extra Large	G-873XXL	11.95

Jensen® Tone

Small	G-866S	\$8.95
Medium	G-866M	8.95
Large	G-866L	8.95
Extra Large	G-866XL	8.95
Extra Extra Large	G-866XXL	9.95

Marshall™ Logo

Medium	G-859M	\$14.95
Large	G-859L	14.95
Extra Large	G-859XL	14.95
Extra Extra Large	G-859XXL	16.95

Vox® Logo

Medium	G-858M	\$14.95
Large	G-858L	14.95
Extra Large	G-858XL	14.95
Extra Extra Large	G-858XXL	16.95

Zenith

Large	G-816L	\$14.95
Extra Large	G-816XL	14.95

Nipper

Large	G-731L	\$15.95
Extra Large	G-731XL	15.95

Clean and Green

Medium	G-871M	\$8.95
Large	G-871L	8.95
Extra Large	G-871XL	8.95
Extra Extra Large	G-871XXL	9.95

Tubesandmore.com Key Chain

Metal vacuum tube key chain, 3 3/8" in length.

Tube key chain	G-KEYTAG-AES	\$3.50
----------------	--------------	--------

Coffee Mugs

Nipper image on 12 oz mug	G-435	\$8.95
Antique Electronic Supply "Tube Dude" logo	G-821	3.95

Jensen® Tone Poster

This is a great poster showing the current lines of Jensen® speakers. 37" high x 24" wide

Poster (ships separately in poster tube)	B-P-JENSEN100	\$4.00
--	---------------	--------

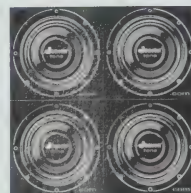
Jensen® Sticker

Sheet of four stickers	B-JENSENSTICKER	\$1.00
------------------------	-----------------	--------



Front

Back



call 480.820.5411 or fax 800.706.6789/480.820.4643





Order Form

fax:

800-706-6789 / 480-820-4643

address:

ANTIQUE ELECTRONIC SUPPLY®

6221 S. Maple Ave, Tempe, AZ 85283 USA

phone:

480-820-5411 (8-5 MST, M-F)

email:

sales@tubesandmore.com

website:

tubesandmore.com

PLEASE PROVIDE THE FOLLOWING INFORMATION:

Your Customer Code _____ (Leave blank if unknown)	<input type="checkbox"/> My address has changed, please update it for me.
---	---

Name _____ Address _____ Apt _____

City _____ State _____ Zip _____ Country _____

Phone _____ Fax _____ e-mail _____

SHIP TO INFORMATION (if different than above):

Name _____ Address _____ Apt _____

City _____ State _____ Zip _____ Country _____

[illegible]

Thank you!



METHOD OF PAYMENT:

☐ Credit Card (VISA, AMEX, MasterCard, Discover) Exp. Date -

[illegible]

Signature _____

☐ C.O.D. Cashiers Check ☐ Cashiers Check / Money Order

Back Order Out-of-Stock Items? Yes ☐ No ☐

Method of Shipping Request (If not UPS): _____

Ordering Information

You can browse our products and place orders at any time of day or night on our web site at www.tubesandmore.com. Fax orders can be sent 24 hours a day, 7 days a week to **800.706.6789** (U.S. and Canada only) or **480.820.4643**. Unless specifically requested, these orders will be filled and shipped without acknowledgment. We accept phone orders from 8:00 am to 5:00 pm (MST) Monday through Friday at **480-820-5411**. We do our best to accommodate add-ons to orders; however, we may charge a service charge for add-ons and cannot guarantee it will be added to the original order. The customer assumes all responsibility for additional shipping charges if the add-on ships separately.

Shipping Information

For orders of \$99.00 or more with a continental U.S. delivery address, we offer free ground shipping using a carrier of our choice. If you choose to ship an alternate method, you are responsible for the shipping costs.

For orders less than \$99.00 with a continental U.S. delivery address, we ship by UPS ground unless you specify otherwise. UPS Air, USPS Priority Mail and some other types of priority delivery are available upon request. Our minimum shipping charge is \$3.95 per order.

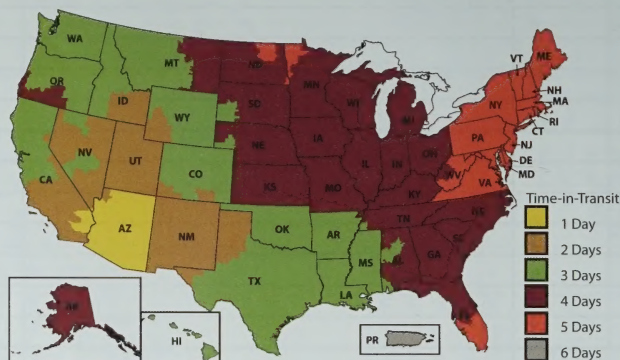
To Alaska, Hawaii and Puerto Rico we ship by Priority Mail unless you specify otherwise.

Outside the U.S. we ship by International Priority Mail for shipments 4 lbs. or greater that have a total value over \$99.00. If less than 4 lbs. and the value is less than \$99.00, we can ship by Int'l 1st class. If you prefer to use your own carrier, this must be specified at time of order.

We ship COD to continental U.S. addresses by UPS only. There is a \$9.00 COD fee on all COD orders and all COD orders require payment by cashier's check or money order unless payment by check has been arranged with us in advance. If we send a COD order to you and the order is returned to us by UPS for any reason other than an error by us, you are still responsible for UPS shipping charges and additional charges for UPS to return the package. You will receive a notice stating that the package was returned. It will tell you why the package was returned and how much is owed in shipping fees. We ask that this amount be paid before another order is shipped to you. You can pay the amount when you place a new order by adding it to the COD total, or you can send a check for the amount owed.

Estimating Delivery Time

You can use the color-coded UPS Residential Ground Service Time-in-Transit map to determine delivery times on UPS Ground Service packages shipping from us to you. Please note that these time frames do not include weekends. For example to New York from Tempe, AZ takes approximately 5 days shipping time so if a package was shipped to you on a Monday you should not expect it until Monday of the following week. These delivery times can change due to bad weather and the holiday season; please be aware of this when ordering.



Estimating Delivery Costs

You can estimate the weight of your order and use the chart below to determine UPS Residential Ground rates. Please note that these are estimated shipping charges and that we cannot quote exact shipping charges for any service. The UPS rates shown are effective through January 2008, at which time UPS will issue new rates. UPS has a \$2.50 extended area surcharge for deliveries to outlying areas. **You can reference current UPS rates at www.ups.com and United States Postal Service Mail rates at www.usps.com.**

	Arizona	So CA, NM, UT,	No CA, NE, NV, OK, MT, CO, WY	AR, IA, ID, KS, LA, MN, MO, MS, ND, OR, SD, WA, TX	AL, GA, IL, IN, KY, MI, OH, TN, WI, WV	CT, DC, DE, FL, MA ME, MD, NC, NH, PA, NJ, NY, RI, SC, VA, VT	AK, HI, Puerto Rico, (Priority Mail)
0-1 lbs	\$6.79	\$7.02	\$7.22	\$7.48	\$7.58	\$7.70	\$4.95
2-3 lbs	6.91	7.87	8.07	8.51	8.71	9.24	11.95
4-6 lbs	7.44	8.56	8.92	9.30	9.66	10.39	19.60
7-9 lbs	8.09	8.99	9.43	9.95	10.09	11.82	27.55
10+ lbs	Refer to www.ups.com						

Ground rates are based on your location relative to Antique Electronic Supply (zip code 85283).

Our Policies and Guarantees

Please see the inside front cover for our policies and guarantees.



A		
AC Adapters	99, 115, 116	
Adhesives	121	
Alessandro Products	49, 55, 84, 128	
Amp Covers	93	
Antennas	81	

B		
Back Panels	92	
Back Plates	105-106	
Batteries	81	
Bias Meters	128	
Binding Posts	67	
Books	130-147	
Boxes and Crating	11	
Bridge Rectifiers	82	
Bridges	108-109	
Bulbs	75	

C		
Cabinet Refinishing	122-123	
Caig Products	118-120	
Capacitor Covers	92	
Capacitors	40-49	
Casters	88	
Cat's Whiskers	79	
CDs, DVDs	129	
Celestion Speakers	24-25	
Chassis Boxes	72	
Chassis Punches	127	
Chassis Straps	92	
Chemicals	118-123	
Chokes	31, 36-38	
Coils	37	
Control Plates	106	
Corners	89	
Covers - Amps	93	
Crystal Radio Parts / Kit	79	

D		
Decals	80	
Decorative Screws	86	
Dial Belts	80	
Dial Drive Cable	80	
Dial Glass Molding	80	
Dial Lamps	75	
Dial Material	80	
Diaphragms	27	
Diodes (solid-state)	82	
Dunlop Parts	57, 59, 88, 99	
DVDs, CDs	129	

E		
Earphones	79	
Effects Pedal Parts	99	
Effects Pedals	78, 113-115	
Electroplating	121	
Enclosures	73	
Epoxy Terminal Boards	15	

F		
Face Plates	92	
Fahnstock Clips	86	
Fans	92	
Feet	88	
Ferrite Rods	37	
Ferrules	107	
Fish Paper	76	

F (continued)		
Footswitch Boxes	70-71	
Fret Wire	110	
Fuses and Holders	76	

G		
Grid / Plate Caps	14	
Grill Cloth	96-97	
Grommets	77	
Guitar Amplifier Kit	78	
Guitar Cables	85, 112	
Guitar Parts	100-110	

H		
Hammond Products	28-37, 72-73	
Handles	90-91	
Hardware	86-87, 110	
Heat Shrink Tubing	77	
Hot Plates	115	

I		
I. F. Transformers	37	
Indicator Lights	75	
Insulating Materials	76	
Integrated Circuits	82	

J		
Jack Plates	67, 106	
Jacks	64-65	
Jensen Speakers	18-22, 117	
Jewels	75	

K		
Keyboard Parts	116-117	
Kits	78-79	
Knob Felt / Springs	63	
Knobs	59-63	

L		
Lace Pickups	102-103	
Lamps / Holders	75	
Leslie Organ Parts	117	
Lettering	80	
Logos	93	

M		
Machine Heads	107	
Magnet Wire	85	
Meters	128	
Multi-Section Capacitors	40, 41	

N - O		
Neck Plates	106	
Notes	150	
Nuts	86-87, 110	
One Electron Transformers	38	
Optocouplers	82	
Order Form	151	
Ordering and Shipping Info	152	

P		
Paint	122-123	
Peavey Baskets / Parts	27	
Peavey Speakers	26-27	
Phonograph Needles	76	
Pickguards	104-105	
Picks, Guitar	111	
Pickup Covers	101, 105-106	
Pickups	100-103	
Pilot Lights	75	
Piping	98	

P (continued)		
Plate Caps	14	
Plates	67, 105-106	
Plugs	66-67	
Policies and Guarantees	IFC	
Polish and Polish Cloths	111	
Posters	1, 17, 149	
Potentiometers	52-58, 99	
Power Cords	74	
Printed Circuit Boards	39	

R		
Radio Parts	63, 80-81	
Refinishing Products	121-123	
Resistors	50-51	
Reverb Cables	66, 95	
Reverb Tanks, Bags and Cables	94-95	
Rubber Products	77	

S		
Saddles	108-109	
Schematic Service	11	
Screws	27, 86-87, 90, 105	
Semiconductors	82-83	
Shipping Information	152	
SICA Speakers	23	
Sockets	12-14	
Software	129	
Soldering Equipment	124-125	
Solid State Devices	82-83	
Spaghetti Sleeving	77	
Speaker Cables	85, 112	
Speaker Grills	27	
Speaker Parts	27	
Speaker Wire	85	
Speakers	18-27, 117	
Strain Relief	74	
Strings, Guitar	111	
Switches	68-69	

T		
T-Shirts	16-17, 148-149	
Tag Boards	39	
Terminal Strips	15, 39	
Test Equipment	128	
Tolex, Glue, Piping	98	
Tools	110, 124-128	
Transformers	28-38	
Transistors	83	
Tremolo Parts	108, 109	
Tube Adapters	3	
Tube Boxes and Crating	11	
Tube Retainers	12-13	
Tube Shields	13	
Tube Sockets	12-14	
Tubes	1-11	
Tubing	77	
Tuning Machines	107	

V - W		
Vacuum Tubes	1-11	
Vibrapods	77	
Vibrato LDR	82	
Vibrators	81	
Washers	12, 54, 58, 63, 77, 86, 87	
Wire	84-85	

WWW.TUBESANDMORE.COM

